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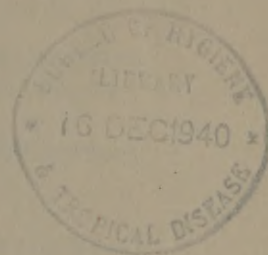


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# STAFFORDSHIRE, WOLVERHAMPTON AND DUDLEY JOINT BOARD FOR TUBERCULOSIS

## Annual Report

(Presented to the Joint Board Meeting, 27th July, 1940)



The following are the Dispensaries and Sanatoria now in operation in the Joint Board's area, namely :—

### DISPENSARIES.

#### *Northern District.*

Florence Street, Newcastle.	}	Sub-Dispensaries.
Salisbury Street, Leek		
Cumberland House, Cheadle		
Tunstall Road, Biddulph		

#### *Central District.*

Mill Bank, Stafford.	}	Sub-Dispensaries.
Town Hall, Stone		
Sandford Street, Lichfield		
Spiceal Street, Uttoxeter		
Newhall Street, Cannock		
Lichfield Road, Shelfield		

#### *Southern District.*

Bell Street, Wolverhampton.	
Parsons Street, Dudley.	
Russell Street, Wednesbury ..	.. Sub-Dispensary.

### APPROVED BED ACCOMMODATION AS AT 31st MARCH, 1940.

#### Sanatoria Maintained by the Joint Board.

Groundslow Sanatorium, Tittensor (for women), 58 beds.  
Prestwood Sanatorium, near Stourbridge (for men), 200 beds.  
Edge View Sanatorium, Kinver (for women), 38 beds.  
The Limes Sanatorium, Himley (for children), 60 beds.



## Other Sanatoria, etc. (Surgical Cases, Treatment and Training, etc.).

### Treatment :—

Staffordshire County Council, Standon Hall Orthopaedic Hospital (for women and children), 95 beds.

### SUNDRY INSTITUTIONS.

#### Treatment :—

Adult Male cases .. .. .	15 beds.
Cases specially approved from time to time .. .. .	3 „
Staffordshire General Infirmary .. .. .	1 bed.
Emergency beds .. .. .	3 beds.

#### Treatment and Training :—

Cases specially approved from time to time .. .. .	6 beds.
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### Total approved bed accommodation at 31st March, 1940 :—

In Institutions maintained by the Joint Board ... .. .	356
In other Institutions .. .. .	123
	<hr/>
	479
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GROUNDSSLOW SANATORIUM.—The patients in residence at Groundslow during the year varied owing to matters connected with the extensions now proceeding and to the evacuation of patients on the outbreak of war, from 3 to 80, the number on the 31st March, 1940, being 56. On the outbreak of war the Sanatorium was evacuated under the Government's Emergency Hospital Scheme but was later suspended from the scheme and was re-opened for the treatment of tuberculous patients on the 14th November, 1939. The Ministry of Health agreed to the whole of the extensions works being proceeded with and although there has been some difficulty in obtaining materials good progress has been made. Such works necessitated the demolition of one of the wards, thus reducing the number of beds available for the time being. The Joint Board have approved arrangements for an adequate water supply being available for fire fighting purposes and have also decided to take advantage of the Stone Rural District Council's scheme for Sewering Tittensor.

It will not therefore be necessary to enlarge the Sewage Works at the Sanatorium but temporary arrangements will have to be made for dealing with the sewerage from the new buildings pending completion of the District Council's Scheme.

EDGE VIEW SANATORIUM, KINVER.—The number of patients in residence at this Sanatorium during the year varied from 23 to 38, the number on the 31st March, 1940, being 30.

PRESTWOOD SANATORIUM.—The number of patients in residence at Prestwood during the year varied owing to evacuation of patients on the outbreak of war from 6 to 198, the number on the 31st March, 1940, being 157. On the outbreak of war the Sanatorium was evacuated under the Government's Emergency Hospital Scheme but was later suspended from such Scheme and was



## APPENDIX A.—continued.

re-opened for the treatment of tuberculous patients on the 14th November, 1939. The erection of the new Recreation Block has been postponed owing to the war.

THE LIMES SANATORIUM, HIMLEY.—The number of patients in residence at this Sanatorium during the year varied from 40 to 59, the number in residence on the 31st March, 1940, being 54.

WEDNESBURY SUB-DISPENSARY.—In view of the war, the erection of a new Sub-Dispensary on the site in Camp Street, Wednesbury, has been deferred.

AFTER-CARE. The amount expended on this service for the financial year ended 31st March, 1940, was £568 as against £765 for the previous year.

STATISTICS.—The Medical Officer has not yet received sufficient data to enable him to prepare the usual Statistical Report. He has, however, made certain observations on the working of the Scheme (see Appendix A.).

FINANCE.—The Treasurer has prepared an Abstract of Accounts of the Joint Board for the year ended 31st March, 1940 (see Appendix B.).

GEORGE TOWNSEND,  
Chairman.



## APPENDIX A—continued.

### Report of the Medical Officer for the Year ended 31st December, 1939.

#### Incidence of and Mortality from Tuberculosis.

At the end of 1939 there were 8,009 cases of tuberculosis on the Registers of the Medical Officers of Health of the various districts in the area of the Joint Board. Of these, 5,554 were suffering from pulmonary disease, and 2,455 were suffering from other forms of tuberculosis. Compared with 1938 these figures show a decrease in pulmonary cases of 231, and an increase of 53 in other forms of tuberculosis.

Every notified case of tuberculosis is registered by the Medical Officer of Health of the area in which the patient lives and the name can only be removed from the Register in the case of :—

- (1) Recovery from disease—that is, in pulmonary cases when there have been no signs or symptoms for 5 years and in other forms of tuberculosis for 3 years.
- (2) Death.
- (3) Removal from the district.

The names of patients who come under the care of the Tuberculosis Officers are placed on the Tuberculosis Dispensary Registers, and these are only removed under conditions similar to those outlined above.

The details of cases on the Registers of the Medical Officers of Health are as follows :—

TOTAL CASES	PULMONARY		TOTAL	NON-PULMONARY		TOTAL
	MALES	FEMALES		MALES	FEMALES	
8,009	2,920	2,634	5,554	1,301	1,154	2,455

In 1939, 509 persons died of pulmonary tuberculosis, the same number as in 1938. The death rate per 1,000 of the population is 0.52, compared with a rate for the previous year of 0.53. There were 89 deaths from other forms of tuberculosis, yielding a death rate of 0.09, whilst in 1938, 121 deaths occurred. On comparing the number of known cases of tuberculosis with the number of deaths that took place during the year, it was found that the proportion of deaths to cases was 1 to 13.

In Table 1, new cases and deaths, classified according to age and sex, are shown. In previous years I have drawn attention to the mortality from pulmonary tuberculosis in young girls aged 15 to 25. It has long been recognised that girls of this age group are more prone to develop a fatal type of tuberculosis than other age or sex groups. Of recent years it has been noted, however, that the number of deaths in this particular age group has been declining, though not at the same rate as the other age groups. This year's figures again shew a decline. It is hoped that with the facilities made available in the Joint Board's Area for the diagnosis and treatment of tuberculosis, and with the added co-operation of the patient—which is essential if we are to treat the disease in a sufficiently early stage to promise eventual arrest—that this particular age group will tend to grow less and less. The maximum mortality amongst men is reached by the age group 35—40, which shows a slight increase on last year's figures.

TABLE I.

New Cases and Deaths (Pulmonary and Non-Pulmonary) for the Year 1939, classified according to age and sex.

Age Periods	STAFFORDSHIRE						WOLVERHAMPTON						DUDLEY					
	New Cases			Deaths			New Cases			Deaths			New Cases			Deaths		
	Pul.		Non-Pul.	Pul.		Non-Pul.	Pul.		Non-Pul.	Pul.		Non-Pul.	Pul.		Non-Pul.	Pul.		Non-Pul.
	M.	F.		M.	F.		M.	F.		M.	F.		M.	F.		M.	F.	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
0—	1	1	2	3	1	—	—	—	—	—	—	—	—	—	1	—	—	—
1—	4	2	18	18	1	—	—	—	5	1	—	2	1	—	2	1	2	—
5—	4	7	22	21	3		3	—	1	1	—	1	—	—	3	—	—	—
10—	9	8	14	11	3		1	1	1	—	—	—	—	4	3	1	—	3
15—	47	38	11	8	42		4	8	1	1	—	—	—	3	6	2	—	—
20—	50	55	7	6	53		5	3	—	—	—	—	—	3	2	—	1	1
25—	71	70	6	9	40	31	14	8	2	3	7	6	—	7	5	—	3	—
35—	52	30	3	3	45	25	6	10	1	—	12	5	1	7	4	—	13	3
45—	48	11	3	1	41	14	19	3	—	—	16	4	—	3	2	—	7	3
55—	35	5	—	—	41	11	10	6	—	—	8	3	1	2	1	—	8	1
65 & upwards	8	—	2	2	12	4	—	2	—	—	3	1	—	—	—	—	1	—
Totals	329	227	88	82	226	142	62	41	6	10	56	30	5	25	24	11	2	43
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Table 2 has been prepared to show the number of notifications and deaths, together with the death rates, for each sanitary district in the area of the Joint Board. A similar Table will be found in each Annual Report for many years, and I would refer the reader who is specially interested in any district to these Reports, for it is only by comparing the death rates over a number of years that one can arrive at a just estimate of the incidence of disease in a sanitary district.



APPENDIX A—continued.

TABLE 2.

Showing Population, number of cases notified, number of deaths, and death-rates in the various Districts.

District	Estimated Population to middle of 1939	No. of Deaths		Death Rate per 1,000 of Population		No. of Cases Notified (Primary)		
		Tubercu- losis of Respiratory System	Other Tubercu- lous Diseases	Tubercu- losis of Respiratory System	Other Tubercu- lous Diseases	Pulmonary	Non- Pulmonary	
COUNTY BOROUGHES :								
Dudley .. ..	61,090	55	6	0.90	0.10	49	13	
Wolverhampton ..	146,300	86	8	0.59	0.05	103	16	
URBAN DISTRICTS :								
Aldridge .. ..	20,850	13	—	0.62	—	15	3	
Amblecote .. ..	2,835	—	—	—	—	3	—	
Biddulph .. ..	9,876	5	—	0.51	—	4	8	
Bilston .. ..	31,460	18	3	0.57	0.10	31	4	
Brierley Hill ..	46,530	28	3	0.60	0.06	41	6	
Brownhills .. ..	19,760	6	2	0.30	0.10	13	4	
Cannock .. ..	37,050	8	4	0.22	0.11	23	6	
Coseley .. ..	29,740	21	2	0.71	0.07	29	11	
Darlaston .. ..	20,250	16	3	0.79	0.15	24	6	
Kidsgrove .. ..	14,490	5	1	0.35	0.07	13	4	
Leek .. ..	19,350	10	3	0.52	0.16	9	7	
Lichfield .. ..	8,814	4	1	0.45	0.11	7	1	
Newcastle .. ..	64,420	28	5	0.43	0.08	52	18	
Rowley Regis ..	44,790	20	5	0.45	0.11	18	6	
Rugeley .. ..	7,722	4	1	0.52	0.13	3	4	
Sedgley .. ..	20,800	14	3	0.67	0.14	22	1	
Stafford .. ..	33,110	17	—	0.51	—	21	10	



# APPENDIX A—continued.

TABLE 2—continued.

District	Estimated Population to middle of 1939	No. of Deaths		Death Rate per 1,000 of Population		No. of Cases Notified (Primary)		
		Tubercu- losis of Respiratory System	Other Tubercu- lous Diseases	Tubercu- losis of Respiratory System	Other Tubercu- lous Diseases	Pulmonary	Non- Pulmonary	
URBAN DISTRICTS—contd.								
Stone .. ..	6,282	1	1	0.16	0.16	5	1	
Tamworth .. ..	11,960	1	1	0.08	0.08	6	7	
Tettenhall .. ..	6,735	4	1	0.59	0.15	5	—	
Tipton .. ..	36,880	26	6	0.70	0.16	42	12	
Uttoxeter .. ..	7,036	5	—	0.71	—	3	1	
Wednesbury .. ..	33,390	20	5	0.60	0.15	31	8	
Wednesfield .. ..	14,630	8	1	0.55	0.07	13	4	
Willenhall .. ..	28,440	20	3	0.70	0.11	30	4	
RURAL DISTRICTS :								
Cannock .. ..	23,080	10	—	0.43	—	8	2	
Cheadle .. ..	31,230	9	3	0.29	0.10	16	6	
Leek .. ..	15,930	3	4	0.19	0.25	8	6	
Lichfield .. ..	32,800	10	3	0.30	0.09	18	9	
Newcastle .. ..	16,370	7	—	0.43	—	12	3	
Seisdon .. ..	18,220	4	4	0.22	0.22	8	2	
Stafford .. ..	13,430	4	2	0.30	0.15	6	1	
Stone .. ..	12,540	6	1	0.48	0.08	3	1	
Tutbury .. ..	12,930	10	3	0.77	0.23	9	2	
Uttoxeter .. ..	9,670	3	1	0.31	0.10	5	2	
Totals and Mean Rates	970,790	509	89	0.52	0.09	708	199	
						907		

In Table 3, the death rates for the Administrative County, divided into Urban and Rural Districts, and Wolverhampton and Dudley County Boroughs, are shown separately for 26 years. Also in this Table are shown the death rates from phthisis and other forms of tuberculosis in the area of the Joint Board as a whole since 1922.

# APPENDIX A—continued.

It will be noted that the rate for the pulmonary disease for 1939 is lower than that of 1938 and is actually the lowest figure recorded in the area of the Board. Some fluctuation is bound to take place from year to year, but it will be observed that the figures of recent years are considerably lower than those of the earliest years for which records exist.

This Table also shows that the Urban Areas still have a higher death rate from phthisis than the Rural, which is, of course, to be expected. The death rates from non-pulmonary disease do not show the same contrast between the Urban and Rural areas, although there has been a very satisfactory drop since the early years, as the result of the operation of the general Public Health Acts.

TABLE 3.

Showing Death Rates for the Administrative County of Stafford, County Boroughs of Wolverhampton and Dudley, and the Joint Board Area as a whole.

Year	Staffordshire				Wolverhampton County Borough		Dudley County Borough		Staffs., Wolver- hampton and Dudley	
	Death Rate per 1,000 of the Population				Death Rate per 1,000 of the Population		Death Rate per 1,000 of the Population		Death Rate per 1,000 of the Population	
	Phthisis		Other forms of Tuberculosis		Phthisis	Other forms of Tuber- culosis	Phthisis	Other forms of Tuber- culosis	Phthisis	Other forms of Tuber- culosis
	Urban	Rural	Urban	Rural						
1914 ..	0.89	0.54	0.31	0.20	1.16	0.35	0.79	0.33	Figures for these years are not available	Figures for these years are not available
1915 ..	0.94	0.67	0.34	0.29	1.22	0.48	1.06	0.39		
1916 ..	1.01	0.80	0.40	0.29	1.18	0.28	0.98	0.38		
1917 ..	1.01	0.74	0.34	0.31	1.10	0.26	1.28	0.27		
1918 ..	1.03	0.88	0.31	0.28	1.26	0.21	1.37	0.36		
1919 ..	0.83	0.61	0.22	0.30	1.14	0.17	0.89	0.16		
1920 ..	0.75	0.56	0.30	0.21	0.89	0.17	0.69	0.12		
1921 ..	0.80	0.53	0.23	0.21	0.77	0.15	0.80	0.15	0.74	0.21
1922 ..	0.80	0.55	0.24	0.17	0.68	0.20	1.05	0.10		
1923 ..	0.75	0.58	0.25	0.22	0.73	0.18	0.74	0.13		
1924 ..	0.73	0.58	0.22	0.20	0.80	0.14	0.87	0.13		
1925 ..	0.83	0.49	0.22	0.14	0.91	0.15	0.63	0.22		
1926 ..	0.74	0.50	0.22	0.11	0.97	0.11	0.73	0.06		
1927 ..	0.73	0.44	0.21	0.22	0.71	0.12	0.89	0.11		
1928 ..	0.64	0.48	0.14	0.13	0.58	0.21	0.81	0.10		
1929 ..	0.76	0.54	0.15	0.12	0.79	0.12	0.71	0.12		
1930 ..	0.72	0.55	0.15	0.13	0.72	0.17	0.90	0.08		
1931 ..	0.78	0.52	0.17	0.13	0.76	0.15	1.05	0.11	0.73	0.15
1932 ..	0.64	0.42	0.16	0.14	0.69	0.16	0.97	0.15	0.62	0.16
1933 ..	0.72	0.50	0.14	0.08	0.74	0.08	1.01	0.10	0.69	0.11
1934 ..	0.67	0.43	0.11	0.16	0.80	0.09	0.76	0.11	0.65	0.12
1935 ..	0.67	0.35	0.13	0.08	0.66	0.10	0.73	0.10	0.61	0.11
1936 ..	0.53	0.34	0.11	0.08	0.71	0.08	0.67	0.10	0.53	0.10
1937 ..	0.60	0.41	0.13	0.11	0.69	0.14	0.79	0.05	0.59	0.12
1938 ..	0.56	0.29	0.13	0.11	0.67	0.11	0.65	0.19	0.53	0.13
1939 ..	0.52	0.35	0.09	0.11	0.59	0.05	0.90	0.10	0.52	0.09



# APPENDIX A—continued.

**Notifications.** During 1939, 907 cases of tuberculosis were notified, compared with 1,026 in the previous year. Seven hundred and eight were cases of pulmonary disease and 199 of other forms of tuberculosis.

The attack rates per 1,000 of the population for the last 15 years are shown in Table 4. It will be noted that all the figures are the lowest recorded since 1925.

TABLE 4.

Showing Attack Rates per 1,000 of population of the area of the Joint Board.

Year	Notifications Pulmonary and Non-Pulmonary		Pulmonary Notifications				Non-Pulmonary Notifications			
	Total	Rate per 1,000 of Pop.	Males	Rate per 1,000 of Pop.	Females	Rate per 1,000 of Pop.	Males	Rate per 1,000 of Pop.	Females	Rate per 1,000 of Pop.
1925 .. ..	1,508	1.69	606	0.68	535	0.60	194	0.22	173	0.19
1926 .. ..	1,764	1.97	708	0.79	615	0.68	226	0.25	215	0.24
1927 .. ..	1,412	1.55	518	0.57	515	0.56	203	0.22	176	0.19
1928 .. ..	1,507	1.66	608	0.67	508	0.56	196	0.21	195	0.21
1929 .. ..	1,294	1.43	527	0.58	446	0.49	172	0.19	149	0.16
1930 .. ..	1,279	1.41	467	0.52	500	0.55	164	0.18	148	0.16
1931 .. ..	1,514	1.67	602	0.66	558	0.62	192	0.21	162	0.18
1932 .. ..	1,403	1.54	564	0.62	536	0.59	153	0.17	150	0.16
1933 .. ..	1,286	1.41	494	0.54	485	0.53	159	0.17	148	0.16
1934 .. ..	1,172	1.27	514	0.56	437	0.47	110	0.12	111	0.12
1935 .. ..	1,063	1.14	469	0.50	389	0.42	101	0.11	104	0.11
1936 .. ..	1,062	1.13	472	0.50	384	0.41	105	0.11	101	0.11
1937 .. ..	1,118	1.18	485	0.51	390	0.41	131	0.14	112	0.12
1938 .. ..	1,026	1.07	448	0.47	356	0.37	116	0.12	106	0.11
1939 ... ..	907	0.92	416	0.43	292	0.30	105	0.11	94	0.10

## APPENDIX A—continued.

### **Tuberculosis Scheme of Treatment.**

During the period under review no change took place in the general scheme of treatment provided by the Joint Board. The site for the new building to house the Sub-Dispensary at Wednesbury was purchased, but the outbreak of war postponed the erection of the building. The Board have agreed to the principle that X-Ray facilities should be provided when the new accommodation is available. This will be of great assistance to the Tuberculosis Officer, for it will mean that patients will not have to be sent to Dudley for X-Ray photographs to be taken, and diagnoses of doubtful cases and treatment by pneumothorax will thereby be facilitated.

**New Cases.**—In 1939, 3,132 persons attended for examination at the various Dispensaries for the first time. On referring to Table 5 the actual numbers sent by Medical Practitioners, School Medical Inspectors and Health Visitors are shown. As would be expected, Medical Practitioners sent the majority of the patients.

A satisfactory feature of the table is the large number of persons who were found not to be suffering from tuberculosis. Out of 3,132 persons who attended the Dispensaries, only 26.4 per cent. were found to be actually suffering from the disease. Because the onset is so insidious, tuberculosis is often very difficult to diagnose, yet early treatment gives a patient a much better prospect of recovery. Hence it is gratifying to note that the opinion of the Tuberculosis Officers is sought about so many doubtful cases. It shows the confidence placed in their skill and I hope that this side of the work will increase still further.

Of the 687 contacts who presented themselves at the Dispensaries for examination, 92 were found to be suffering from tuberculosis, 570 were classified non-tuberculous, and the diagnoses were not completed before the end of the year in 25 cases.

This year the number of contacts attending has decreased, and although there was a reduction in the total number of tuberculous cases notified, the decrease was much greater proportionately (from 901 to 687). It is difficult to secure the attendance of all contacts and often attendance is delayed until the disease has become too advanced for treatment to prove effective. Of the 86 cases of pulmonary disease found among contacts, 38 had no tubercle bacilli in their sputum, and presumably, therefore, the disease had not passed beyond the early stage.



APPENDIX A—continued.

TABLE 5.

New Cases and Contacts seen at the Dispensaries during the Year 1939 and particulars of Diagnoses.

	Pul. Tub. Class T.B. Minus	Pul. Tub. Class T.B. Plus Group 1	Pul. Tub. Class T.B.Plus Group 2	Pul. Tub. Class T.B.Plus Group 3	Other Forms of Tuber- culosis	Diagno- sis not Comple- ted	Non- Tuber- culous	Totals
NEW CASES :—								
Referred by :—								
School Medical Inspectors ..	—	—	—	—	9	6	127	142
Medical Practitioners ..	192	28	149	99	79	98	1,256	1,901
Health Visitors .. .. .	1	—	—	—	—	2	3	6
Transfers from Other Areas ..	37	16	35	10	22	1	2	123
Otherwise .. .. .	16	2	2	4	35	4	210	273
Totals .. .. .	246	46	186	113	145	111	1,598	2,445
CONTACTS :—								
Referred by :—								
School Medical Inspectors ..	3	—	—	—	—	6	26	35
Medical Practitioners ..	28	4	24	17	5	4	164	246
Health Visitors .. .. .	—	—	—	1	—	2	25	28
At request of Tuberculosis Officers .. .. .	2	—	—	—	1	8	229	240
Transfers from Other Areas ..	2	—	—	1	—	—	1	4
Otherwise .. .. .	3	—	—	1	—	5	125	134
Totals .. .. .	38	4	24	20	6	25	570	687
Grand Totals .. .. .	284	50	210	133	151	136	2,168	3,132

**Proportion of Notified Cases seen.**—Table 6 shows the number of notified cases, classified under various forms of the disease, and the number of each seen by the Tuberculosis Officers. It will be noted that the latter saw 82.6 per cent. of the pulmonary cases notified, and 63.8 per cent. of non-pulmonary cases. From the pulmonary point of view, this is very satisfactory, but I think more cases of glandular tuberculosis might be referred to the Dispensaries. The cases labelled Meningitis are of acute disease and usually fatal, so that in most instances no examination by the Tuberculosis Officer is possible.

APPENDIX A—continued.

TABLE 6.

Showing Classification of notified cases and numbers seen by Tuberculosis Officers.  
during the year 1939.

				Notified	Seen by Tuberculosis Officers
Pulmonary Tuberculosis	..	..	..	708	585
Other forms of Tuberculosis	Meningitis	..	..	21	—
	Glands	..	..	70	41
	Hip	..	..	25	20
	Knee	..	..	13	10
	Spine	..	..	20	19
	Ankle	..	..	2	1
	Wrist	..	..	1	1
	Elbow	..	..	1	—
	Other Bones and Joints			3	3
	Skin	..	..	3	—
	Abdomen	..	..	24	20
	Various	..	..	16	12
Totals				907	712

**Health Visiting.**—There has been no change in the scheme of Health Visiting of tuberculous cases during the year, which is undertaken by the whole-time staff in the populous areas and by district nurses in the rural portions of the County. This work is controlled from the Dispensaries by the Tuberculosis Officers, who hold periodic conferences with the Health Visitors as to their work.



# APPENDIX A—continued.

Table 7, showing the bedroom accommodation of patients, has been drawn up from the reports made by the Health Visitors. In only 42.1 per cent. of cases was it possible to secure a separate bedroom for each patient. Out of 2,444 cases investigated as to domiciliary conditions, only 53.7 per cent. of patients were able to have a bed to themselves; 41.5 per cent. shared a bed with one other person, and in 4.8 per cent. cases a bed was shared with more than one person. Although the figures just quoted are still lamentably low, there has been a slow improvement in housing conditions during the last twelve years, for in 1928 only 25.1 per cent. patients had separate bedrooms, whilst in 1939 the figure was 42.1. I am glad to note this fact, for at one time the figures appeared to be stationary and, but for the tact and initiative of the Health Visitor in persuading householders to give up their spare living room as a bedroom for the patient, or otherwise re-arrange the accommodation in the house, I have no doubt that there would be an even smaller proportion of patients with separate bedrooms. This question of housing is bound up with all public health activities and the practice of preventive medicine, and with the amount of work that is undertaken by Local Authorities in housing.

TABLE 7.  
Bedroom Accommodation of Dispensary Patients.

Total Cases excluding Shelters	Having separate bedrooms		Separate beds but Rooms Shared with				Beds shared with				Shelters in use December 31st, 1939
			One		More than one		One		More than one		
	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	
2,444	1,030	42.1	116	4.8	167	6.8	1,015	41.5	116	4.8	60

**Observation Cases.**—As in former years, the Tuberculosis Officers sent difficult cases to the residential institutions for observation when the diagnosis could not be determined at the dispensaries. In this way 43 cases were dealt with in 1939, of which 24 proved to be suffering from tuberculosis, 14 non-tuberculous, whilst 1 remained undiagnosed at the end of the year, and 4 left the institutions before a diagnosis could be made.

**X-Ray Examinations.**—The installations provided by the Joint Board have been used to an increasing extent. This is probably accounted for by the large increase in the number of refills given during the year. Serial X-Ray examinations, both by screening and the taking of skiagrams, are essential to ensure the best results from pneumothorax treatment.

The following table shows the number of skiagrams and screenings made during the year in each area :—

			Wolverhampton.	Dudley.	Stafford.	Newcastle.
Skiagrams	..	..	1722	932	280	261
Screen Examinations	..	..	629	510	121	594

# APPENDIX A—continued.

The service of Consultant Radiologists is available in each area and at the Sanatoria. In the search for signs of early disease, other conditions than tuberculosis are frequently found and it is here that the opinion of an independent Radiologist is valuable.

**Artificial Pneumothorax.**—The number of cases receiving this form of treatment shows a large increase this year, and is shewn in the following table. It will be noted that a number of inductions was carried out at two Dispensaries.

<i>Dispensary.</i>	<i>No. of Primary Inductions.</i>	<i>No. of Cases.</i>	<i>No. of Refills.</i>
Wolverhampton .. .. .	22	80	1258
Dudley .. .. .	—	53	720
Stafford .. .. .	—	48	421
Newcastle .. .. .	6	28	335
Totals .. .. .	28	209	2734

**Special Forms of Treatment.**—At the main Dispensaries, where the facilities exist, the following treatment was given :—

Diagnostic aspirations of Chest	..	..	..	..	3
Air replacements..	..	..	..	..	68
Pleural lavage	..	..	..	..	13
Aspirations and Pleural wash-outs	..	..	..	..	39
Mantoux Test	..	..	..	..	7
Aspirations of cold abscesses :—					
Glands	..	..	..	..	26
Rib	..	..	..	..	4
Hip	..	..	..	..	1
Sanocrysin injections	..	..	..	..	27
Tuberculin injections	..	..	..	..	83

**Chest Surgery.**—The scheme approved by the Joint Board last year for the appointment of Surgical Consultants has proved of great assistance towards securing the cure of patients.

Treatment of the following conditions was undertaken either at Prestwood Sanatorium or at The Royal Hospital, Wolverhampton, in the Southern area, and in the Central and Northern



# APPENDIX A—continued.

areas at the Staffordshire General Infirmary.

Thoracoplasty .. .. .	7
Phrenicectomy .. .. .	7
Phrenic Avulsion .. .. .	1
Phrenic Nerve Operations .. .. .	2
Division of Adhesions .. .. .	9
Continuous drainage and Thoracoplasty .. .. .	1
Exploration for (?) T.B. Rib .. .. .	1
Exploratory Thoracotomy .. .. .	1
Extra-pleural Artificial Pneumothorax .. .. .	1
Therapeutic Colostomy for T.B. Rectal Ulcer .. .. .	1
Diagnostic Pneumothorax .. .. .	1
Bronchograms .. .. .	15

In addition, 22 Bronchograms were performed at the Queen's Hospital, Birmingham.

**Sputum and Other Examinations.**—Sputum examinations are carried out either at the Dispensaries or at the County Bacteriological Laboratory, and during the year 1,861 specimens were dealt with in connection with the Dispensary areas, as follows :—

Wolverhampton .. .. .	630
Dudley .. .. .	523
Stafford .. .. .	402
Newcastle.. .. .	306

The work of the County Bacteriological Laboratory in the diagnosis and investigation of tuberculous conditions has continued as before, the service being available to the Sanatoria, Dispensaries, Public Assistance Institutions, Hospitals and General Practitioners. The following table shows the tests carried out during the year :—

Sputa .. .. .	5,963
Pus .. .. .	140
Cerebro-spinal fluid .. .. .	132
Other fluids .. .. .	84
Fæces .. .. .	40
Urine .. .. .	402
Human Organs and tissues .. .. .	6
Swabs .. .. .	30
Cultures .. .. .	536
Concentration method .. .. .	9
Human milk .. .. .	1
Biological tests .. .. .	474

## APPENDIX A—continued.

**Home Visits and Consultations by Tuberculosis Officers.**—533 consultations with the family doctor took place at the homes of patients or elsewhere, and 3,500 at the dispensaries, in connection with the diagnosis of difficult cases or the treatment of others. 1,511 home visits, including personal consultations, were paid by the Tuberculosis Officers.

**Home Nursing.**—The arrangements made previously continued during the year. Home nursing of cases recommended by the Tuberculosis Officers is undertaken by local Nursing Associations, at a charge of 50s. per case per annum. During the year, 85 patients received home nursing, of whom 64 were new cases.

**Extra Nourishment.**—In 1939, 48 cases received extra nourishment at a cost of £158. Such cases are recommended by the Tuberculosis Officer after investigation of the physical and financial conditions of the patient, and the recommendation of the Ministry of Health, in their Circular of March, 1927, is always borne in mind, i.e., food should be supplied only to patients who are likely to benefit materially thereby. The Ministry suggested that the classes of patients likely to benefit from the provision of extra nourishment were the following :—

- (a) Patients who have received an adequate course of sanatorium treatment, and whose medical condition is such that with the grant of extra nourishment they may be expected to maintain or recover full working capacity ; and
- (b) Patients in whose cases ultimate arrest of the disease may be reasonably anticipated and who are waiting for admission to sanatorium.

It will thus be seen that extra nourishment is to be regarded as an ancillary to sanatorium treatment rather than a substitute for it.

**Supply and Supervision of Shelters.**—There are 60 shelters in use in the three areas of the Board, thus :—

Northern	..	..	..	..	..	18
Central	..	..	..	..	..	21
Southern	..	..	..	..	..	21

The new type of shelter, of which twelve have been provided by the Joint Board to replace dilapidated old ones, continues to give satisfactory service. These shelters are bigger and more suited to the needs of domiciliary cases than the old variety, and thus it is hoped patients will be encouraged to use them all the year round instead of only in the summer. Except in the South, where the erection, repair and dismantling of the shelters is undertaken from Prestwood Sanatorium, this work is performed by the District Councils, who through their Officers render us much assistance in this way. In addition, the Inspectors of Health Visitors visit and report periodically on the use of the shelters.



# APPENDIX A—continued.

**Ministry of Health, Annual Returns.**—These returns have been curtailed on account of the war conditions. Table A only is now required.

## (A) Return relating to the work of the Dispensaries during the quarter ended 31st December, 1939.

Diagnosis	Pulmonary				Non-Pulmonary				Total				Grand Total
	Adults		Children		Adults		Children		Adults		Children		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A.—Number of definite cases of Tuberculosis on the Dispensary Register at the beginning of the quarter ... ..	1477	1134	173	168	171	167	329	253	1648	1301	502	421	3872
*B.—Number of NEW CASES diag- nosed as Tuberculosis during the quarter :—					5	5	11	11	5	5	11	11	32
(1) Class T.B. minus ... ..	38	22	1	5	—	—	—	—	38	22	1	5	66
(2) Class T.B. plus ... ..	42	26	—	1	—	—	—	—	42	26	—	1	69
C.—Number of cases included in A and B written off the Dispen- sary Register during the quar- ter as :—													
(1) Recovered ... ..	38	62	16	7	3	7	16	10	41	69	32	17	159
(2) Dead (all causes) ... ..	65	34	—	2	1	—	1	—	66	34	1	2	103
(3) Removed to other areas ... ..	20	5	2	1	1	—	3	2	21	5	5	3	34
(4) For other reasons ... ..	26	19	2	1	3	3	3	1	29	22	5	2	58
*D.—Number of definite cases of Tuberculosis on the Dispen- sary Register at the end of the quarter ... ..	1408	1062	154	163	168	162	317	251	1576	1224	471	414	3685

\*Thirty Inward Transfers during the quarter ended 31st December, 1939, were classified as follows :—

PULMONARY Class T.B. Minus				PULMONARY Class T.B. Plus				NON-PULMONARY			
Adults		Children		Adults		Children		Adults		Children	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
4	2	—	3	7	9	—	—	1	1	2	1

These figures have been included in those shewn in Sections B and D of the above return.

1. Number of cases on Dispensary Register on 1st January .. .. . 4077
2. Number of cases transferred from other areas and cases returned after discharge in previous years .. .. . 145
3. Number of cases transferred to other areas, cases not desiring further assistance under the tuberculosis scheme, and cases "lost sight of" .. .. . 248

# APPENDIX A—continued.

4. Cases written off during the year as Dead (all causes) .. .. .	447
5. Number of attendances at the Dispensaries (including Contacts) .. .. .	14305
6. Number of Insured Persons under Domiciliary Treatment on 31st December .. .. .	990
7. Number of consultations with medical practitioners :—	
(a) Personal .. .. .	533
(b) Other .. .. .	3500
8. Number of visits by Tuberculosis Officers to homes (including personal consultations)	1511
9. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes ..	13965
10. Number of :—	
(a) Specimens of sputum, etc., examined .. .. .	1861
(b) X-ray examinations made .. .. .	5078
in connection with Dispensary work.	
11. Number of " Recovered " cases restored to Dispensary Register .. .. .	8
12. Number of " T.B. plus " cases on Dispensary Register on 31st December .. .. .	1442

## (B) Number of Dispensaries for the treatment of Tuberculosis (excluding centres used only for special forms of treatment).

Provided by the Joint Board .. .. .	13
Provided by Voluntary Bodies .. .. .	Nil.

**Care and After-Care.**—No change has taken place during the year in the working of the Care and After-Care Scheme. The Board makes grants to the Voluntary Committees of an average of £3 per assisted case.

Quarterly Reports from each Committee are sent to the Joint Board giving details of their activities, and I gladly bear witness to the value of the work undertaken, without which it would be impossible for many persons to receive sanatorium treatment. Although the scope of their work is still somewhat hampered by lack of funds, the time and trouble taken by members of the Committees in individual cases is much appreciated by those responsible for the treatment scheme, as well as by the patients themselves, for the members of these Committees have undertaken voluntary work of the highest importance to patients, that could not be done so well by the Joint Board. As an example of the work carried out, I give below details supplied by the Tuberculosis Officers, showing the type of assistance afforded during the year, classified in main Dispensary areas, and the number of cases helped in this way.

	<i>Wolverhampton.</i>	<i>Dudley</i>	<i>Stafford.</i>	<i>Newcastle.</i>
Dental Treatment .. .. .	15	12	13	6
Clothing .. .. .	74	84	46	48
Beds, Blankets, etc. .. .. .	9	10	1	2
Extra Nourishment .. .. .	5	134	30	11
Financial Assistance .. .. .	4	4	2	5
Ophthalmic Benefit .. .. .	—	—	—	1
Travelling Expenses .. .. .	1	2	6	43
Surgical Appliances .. .. .	2	—	—	—



# APPENDIX A—continued.

**Residential Institutions.**—As will be seen in the following Table, there were 492 beds available at the end of the year for the treatment of the various forms of tuberculosis.

**TABLE 8.**  
**Patients treated at Sanatoria, &c., 1st January to 31st December, 1939.**

	Prestwood for men	Edge View for Women	Grounds- low for Women	Himley for Children	Outside Institutions including Standon Hall (a)	Totals
Beds available .. ..	200	38	80	60	114*	492
In Sanatoria at beginning of year .. ..	192	38	77	53	112	472
Admitted .. ..	332	84	137	43	146	742
Discharged .. ..	363	81	164	48	169	825
Died .. ..	57	16	14	4	5	96
Remaining at end of year ..	104	25	36	44	84	293

(a) Figures in this column include certain surgical and concurrent treatment and training cases specially approved by the Board for treatment at various institutions outside the Joint Board's area.

\* This figure represents 95 beds at Standon Hall Orthopaedic Hospital, 15 beds for Non-Pulmonary Males over 12 years of age and 3 beds for emergency cases in other Orthopaedic Institutions, and 1 General Hospital bed for surgical cases.

The institutions provided by the Joint Board are for lung cases only. During 1939 there were 200 such beds for men, 118 for women, and 60 for children.

The treatment of cases of non-pulmonary tuberculosis is undertaken at outside institutions. Ninety-five of the 114 available beds are provided at Standon Hall Hospital, by arrangement with the Staffordshire County Council.

**Prestwood Sanatorium.**—The outbreak of war has caused the postponement of the building of the extensions, which will be of such value to the Sanatorium. The trying conditions of the black-out and the possibility of air raids emphasise the need for full time occupation of the patient's mind and the facilities for this have now unavoidably been lessened. The repair of the old Recreation

# APPENDIX A—continued.

Hut must suffice until happier times. If the incidence of tuberculosis follows the tendency shewn in the last war, the Sanatorium will be called upon to undertake more work, and the present accommodation for Radiology, Dentistry, Dispensing, and for the Nurses will be still more inadequate.

The Sanatorium is recognised as a training centre for nurses by the Tuberculosis Association, and it is hoped that the facilities available will, in the future, attract the type of nurse in the numbers we require.

Dr. Stevenson, the Medical Superintendent, has supplied me with the following report on the work carried out during the year :—

No. of patients admitted	..	..	..	..	..	..	332
No. of patients discharged	..	..	..	..	..	..	363
No. of patients died	..	..	..	..	..	..	57
No. of patients admitted with a positive sputum	..	..	..	..	..	..	238
Percentage of T.B.+ Cases admitted	..	..	..	..	..	..	71.7%
No. of patients admitted for observation and diagnosed tubercular							8
No. of patients admitted for observation and diagnosed non-tubercular							4
No. of patients admitted for observation and not diagnosed..							*2

\* One of these took his own discharge after three days, and one was evacuated on September 1st, 1939.

## CLASSIFICATION OF PATIENTS ON ADMISSION :—

Observation	..	..	..	..	..	..	14
T.B.—	..	..	..	..	..	..	75
T.B.+ Group 1	..	..	..	..	..	..	14
„ „ 2	..	..	..	..	..	..	170
„ „ 3	..	..	..	..	..	..	54
Non-pulmonary	..	..	..	..	..	..	5
Total	..	..	..	..	..	..	332

## AGE DISTRIBUTION OF PATIENTS ADMITTED :—

	OBS.	T.B.—	T.B.+G.1	T.B.+G.2	T.B.+G.3	NON-PUL.	TOTAL
Under 15 years ..	1	2	—	—	—	—	3
15—24 years ..	5	28	10	52	10	3	108
25—34 „ ..	3	14	2	51	17	1	88
35—44 „ ..	1	14	1	37	15	—	68
45 yrs. and over..	4	17	1	30	12	1	65
Totals ..	14	75	14	170	54	5	332



# APPENDIX A—continued.

## DURATION OF STAY OF PATIENTS DISCHARGED AND DIED :—

<i>Pulmonary</i>	{	28 days or less	..	..	..	..	29
		1—3 months	..	..	..	..	90
		3—6 months	..	..	..	..	88
		Over 6 months	..	..	..	..	135
<i>Non-Pul.</i>	{	28 days or less	..	..	..	..	Nil
		1—3 months	..	..	..	..	3
		3—6 months	..	..	..	..	2
		Over 6 months	..	..	..	..	2
<i>Pulmonary Deaths</i>	{	28 days or less	..	..	..	..	15
		1—3 months	..	..	..	..	9
		3—6 months	..	..	..	..	15
		Over 6 months	..	..	..	..	18
<i>Negative Observation Cases</i>		..	..	..	..	4	
<i>Doubtful Observation Cases</i>		..	..	..	..	2	
Total			..	..	..	412	

AVERAGE DURATION OF STAY OF ALL PATIENTS REMAINING OVER 28 DAYS =35.76 weeks.

DITTO FOR PREVIOUS YEAR .. .. . =25.64 „

## RESULTS OF TREATMENT :—

## CONDITION OF DISCHARGE.

<i>Classification on Admission.</i>			<i>Quiescent.</i>	<i>Improved.</i>	<i>No Material Improvement.</i>	<i>Died.</i>	<i>Total.</i>
T.B.—	..	..	2	75	10	4	91
T.B.+ Group 1	..	..	—	29	2	—	31
„	2	..	—	153	33	17	203
„	3	..	—	30	8	36	74
Non-Pulmonary	..	..	—	7	—	—	7
Totals	..	..	2	294	53	57	406
Negative Observation Cases							4
Doubtful do.							2
							412

Of the 4 T.B. Minus cases who died, 3 died from Cancer of the Lung, and 1 from Miliary Tuberculosis.

# APPENDIX A—continued.

## SPECIAL FORMS OF TREATMENT :—

### *Artificial Pneumothorax :—*

No. of primary inductions	..	..	..	..	..	..	40
No. of successful inductions	..	..	..	..	..	..	33
No. of refills given	..	..	..	..	..	..	1200 (approx.)

### *Gold Therapy :—*

No. of patients receiving Gold	..	..	..	..	..	..	46
No. of injections given	..	..	..	..	..	..	512

### *Tuberculin :—*

No. of patients	..	..	..	..	..	..	5
No. of injections	..	..	..	..	..	..	98

### *X-Ray Department :—*

No. of skiagrams	..	..	..	..	..	..	744
No. of screen examinations	..	..	..	..	..	..	383

## PATHOLOGICAL DEPARTMENT :—

Wassermann Reactions	..	..	..	..	..	..	4
Urine tests	..	..	..	..	..	..	8
Post-mortem examinations	..	..	..	..	..	..	3
Sputum examinations	..	..	..	..	..	..	5072
Biological tests (Guinea pig)	..	..	..	..	..	..	151

### *Operative Measures :—*

Gas replacements	..	..	..	..	..	..	30
Pleural lavage	..	..	..	..	..	..	24
Paracentesis abdominis	..	..	..	..	..	..	2
Paracentesis thoracic	..	..	..	..	..	..	13
Lumbar puncture	..	..	..	..	..	..	2
Lipiodol examinations	..	..	..	..	..	..	2
Phrenic avulsion	..	..	..	..	..	..	2
Division of adhesions	..	..	..	..	..	..	4

## RESULTS OF A.P. AND GOLD TREATMENT :—

During the year 39 patients who had Artificial Pneumothorax treatment, and 19 Gold treatment, were discharged with the following results :—

<i>A.P. Treatment.</i>				<i>Gold Treatment.</i>			
		<i>Before.</i>	<i>After.</i>			<i>Before.</i>	<i>After.</i>
Sputum+	..	39	12	Sputum+	..	16	9
Sputum—	..	Nil	27	Sputum—	..	Nil	7

The above is exclusive of those patients who were under treatment for such a short time before evacuation as to give unreliable results.



## APPENDIX A—continued.

### GENERAL REMARKS :—

“ Owing to the war, the normal year's work has been considerably interfered with. On the outbreak of hostilities the whole Sanatorium, with the exception of a few cases, was evacuated, and preparation made for the reception of Civilian Casualties. This necessitated some alterations which were carried out on the Ministry's advice. A large quantity of medical and surgical stores, hospital equipment etc., has also been received here and stored. The blacking-out of the Institution was a difficult and a long job. As time went on and it was realised that these hospital beds for casualties would not be immediately required, permission was given for the Sanatorium to revert temporarily to its original use, and from that time tuberculous cases were re-admitted. It may be noted that nearly every case re-admitted showed considerable deterioration.

“ Of necessity, when evacuation took place, such things as the Occupational Therapy Scheme which had been so successful had to be abandoned, and on account of the uncertainty of future developments the Committee considered it wise not to risk spending any more money on construction work in connection with it at present. However, such things as gardening and other light occupations have been resumed, and many of the patients have kept up scarf-making, knitting, etc.

“ It has unfortunately also been found impossible to proceed with the erection of the new Recreation Block which is so very badly needed, but an attempt is being made to make part of the old hut more habitable so that it may serve for the time being.

“ The work done by the various Consultants continues to be very helpful.

“ Continual use is also made of the facilities provided by the County Laboratory, and the assistance given in pathological examinations is of the greatest value.

“ During the year five nurses have gained the certificate of the Tuberculosis Association.”

**Groundslow Sanatorium.**—It is anticipated that the extensions at Groundslow Sanatorium, noted in my Report for 1937, will shortly be finished. When the additional beds provided by these extensions are made available, it is hoped that no case requiring active treatment will have to wait a long time before admission to the Sanatorium.

With regard to the work carried out at Groundslow Sanatorium during the year, Dr. Parkinson, who acts as Medical Superintendent as well as Tuberculosis Officer in the Central Area, has supplied me with the following report :—

No. of patients admitted .. .. .	137
No. of patients discharged .. .. .	164
No. of patients died .. .. .	14
No. of patients admitted for observation and diagnosed tubercular ..	3
No. of patients admitted for observation and diagnosed non-tubercular	*6

\* Two of these remained undiagnosed as they were evacuated before a diagnosis could be made.

# APPENDIX A—continued.

## CLASSIFICATION OF PATIENTS ON ADMISSION :—

Observation	..	..	..	..	..	..	9
T.B.—	..	..	..	..	..	..	38
T.B.+ Group 1	..	..	..	..	..	..	3
„ „ 2	..	..	..	..	..	..	56
„ „ 3	..	..	..	..	..	..	28
Non-Pulmonary	..	..	..	..	..	..	3
Total							137

It will be seen that a large proportion of patients admitted were already in a fairly advanced stage of the disease, and complete recovery can hardly be expected under these circumstances.

## AGE DISTRIBUTION OF PATIENTS ADMITTED :—

	OBS.	T.B.—	T.B.+ G.1	T.B.+ G.2	T.B.+ G.3	NON-PUL.	TOTAL
Under 15 years ..	—	1	—	—	1	—	2
15—24 years ..	2	14	1	36	16	1	70
25—34 „ ..	3	15	2	15	8	2	45
35—44 „ ..	4	8	—	4	2	—	18
45 yrs. and over	—	—	—	1	1	—	2
Totals ..	9	38	3	56	28	3	137

## DURATION OF STAY OF PATIENTS DISCHARGED AND DIED :—

<i>Pulmonary</i> ..	{	28 days or less ..	..	..	..	..	14
		1—3 months ..	..	..	..	..	29
		3—6 months ..	..	..	..	..	51
		6 months and over ..	..	..	..	..	59
<i>Non-Pul.</i> ..	{	28 days or less ..	..	..	..	..	1
		1—3 months ..	..	..	..	..	1
<i>Pulmonary Deaths</i> ..	{	28 days or less ..	..	..	..	..	3
		1—3 months ..	..	..	..	..	3
		3—6 months ..	..	..	..	..	1
		6 months and over ..	..	..	..	..	7
<i>Negative Observation Cases</i> ..		..	..	..	..	..	6
Total ..							175

# APPENDIX A—continued.

AVERAGE LENGTH OF STAY OF ALL PATIENTS REMAINING OVER 28 DAYS .. = 26 weeks.

DITTO FOR PREVIOUS YEAR .. .. . = 28 ..

*If the corresponding stay before the evacuation took place is considered  
the average for the year 1939 .. .. . = 30 ..*

From the foregoing table it will be seen that the average length of treatment is gradually increasing, but in the majority of cases it still remains too short.

## RESULTS OF TREATMENT :—

## CONDITION ON DISCHARGE.

<i>Classification on Admission.</i>	<i>Quiescent.</i>	<i>Improved.</i>	<i>No Material Improvement.</i>	<i>Died.</i>	<i>Total.</i>
T.B.— .. ..	19	14	10	2	45
T.B.+ Group 1 .. ..	7	2	—	—	9
"   "   2 .. ..	11	46	22	2	81
"   "   3 .. ..	—	9	13	10	32
Non-Pulmonary .. ..	—	2	—	—	2
Totals .. ..	37	73	45	14	169
Non-Tuberculous .. ..					6
					<hr/> 175 <hr/>

## SPECIAL FORMS OF TREATMENT :—

### *Artificial Pneumothorax :—*

No. of inductions (Of these four were not successful)	..	..	17
No. of inductions before admission	..	..	8
No. undergoing treatment—December 31st	..	..	3
do. do. —August 31st	..	..	15
No. of refills given	..	..	358

### *Results of Artificial Pneumothorax Treatment :—*

<i>Sputum.</i>	<i>Before A.P.</i>	<i>After A.P.</i>
Positive .. ..	26	9
Negative .. ..	1	18

### *Gold Injections and Results of Treatment :—*

Cases started (of these 11 were discontinued for various reasons)	..	33
Injections .. ..	..	492
<i>Sputum.</i>	<i>Before Sanocrysin.</i>	<i>After Sanocrysin.</i>
Positive .. ..	21	17
Negative .. ..	1	5



# APPENDIX A—continued.

## *Tuberculin and Results of Treatment :—*

Cases	..	..	..	..	..	..	..	2
Injections	..	..	..	..	..	..	..	14
					<i>Before</i>	<i>After</i>		
	<i>Sputum.</i>				<i>Tuberculin.</i>	<i>Tuberculin.</i>		
	Positive	..	..	..	2	2		
	Negative	..	..	..	Nil	Nil		

## OPERATIVE TREATMENT :—

Thoracoplasty .. .. .	3
Division of Pleural adhesions .. .. .	2
Lipiodol examination .. .. .	1
Air replacements and paracentesis .. .. .	6
Pleural irrigations .. .. .	4
Lumbar puncture .. .. .	1

## X-RAY EXAMINATIONS :—

No. of Skiagrams .. .. .	194
No. of Screen examinations .. .. .	204

CASES SEEN BY THE CONSULTING LARYNGOLOGIST .. .. .	14
--	----

## PATHOLOGICAL WORK :—

Estimation of blood sedimentation rates .. .. .	153
Specimens of sputum examined at the County Laboratory .. .. .	873
Specimens of urine examined .. .. .	1,109

## TUBERCULOSIS ASSOCIATION EXAMINATION :—

During the year, one probationer nurse entered for the Preliminary Examination and was successful.

## GENERAL REMARKS :—

“ The work at Groundslow Sanatorium was carried out on the usual lines until the outbreak of the war when it became necessary to send home as many patients as possible. During the last week of August, 76 beds were occupied by patients suffering from tuberculosis, on August 31st and September 1st, 72 of these were discharged home and 25 patients were received from the North Staffordshire Royal Infirmary. Men, women and children, chiefly suffering from surgical conditions were accommodated, together with two other patients from Stoke-on-Trent who could not be admitted to the Infirmary. A few of these patients were re-admitted to the North Staffordshire Royal Infirmary, but the majority were sent home as soon as they were fit. The last of these patients were discharged on October 7th.

“ During September when the Sanatorium was included in the Emergency Hospital Scheme, the additional beds provided by the Ministry of Health were set up, and on October 30th the total number available was 147. Later the Sanatorium was released from the scheme.

# APPENDIX A—continued.

“ Permission was accorded on November 10th to re-admit cases of Tuberculosis, and the first arrived on November 16th, but the beds available had been reduced by building operations on the new extensions. The demolition of the large hut (14 beds) and subsequent building operations made the use of 14 huts inadvisable. Further difficulties have arisen owing to the closing of the Recreation Hut and the Dining Room. At the end of December, the total number of beds that could be used was 50.

“ The information given in the preceding tables cannot be compared with that furnished in previous years owing to the sudden evacuation that took place”

**Edge View Sanatorium, Kinver.**—The wisdom of the decision to re-open Edge View Sanatorium, Kinver, for the reception of female pulmonary cases is again confirmed by the use made of the Institution during 1939. Patients from the south of the Joint Board's Area are willing to go there, whereas previously they might have refused to go as far afield as Groundslow, and when they are at Edge View they stay for a fair length of time, though not, in all cases, as long as one could wish.

Dr. Stevenson, the Medical Superintendent of Prestwood Sanatorium, also looks after Edge View Sanatorium, and any special investigations that may be required, such as X-Ray examinations, are arranged by taking the patients to Prestwood by ambulance.

Dr. Stevenson has provided me with the following account of the work carried out at Edge View during 1939 :—

No. of patients admitted .. .. .	84
No. of patients discharged .. .. .	81
No. of patients died .. .. .	16

## CLASSIFICATION OF PATIENTS ON ADMISSION :—

T.B.— .. .. .	11
T.B.+ Group 1 .. .. .	2
T.B.+ Group 2 .. .. .	46
T.B.+ Group 3 .. .. .	25
Total .. .. .	84

## AGE DISTRIBUTION OF PATIENTS ADMITTED :—

	T.B.—	T.B.+ G.1	T.B.+ G.2	T.B.+ G.3	TOTAL
Under 15 years .. .. .	—	—	1	—	1
15—24 years .. .. .	8	—	15	13	36
25—34 „ .. .. .	2	2	18	3	25
35—44 „ .. .. .	1	—	9	5	15
45 years and over .. .. .	—	—	3	4	7
Totals .. .. .	11	2	46	25	84

# APPENDIX A—continued.

## DURATION OF STAY OF PATIENTS DISCHARGED AND DIED :—

<i>Pulmonary</i> ..	{ 28 days or less .. .. .	7
	{ 1—3 months .. .. .	19
	{ 3—6 months .. .. .	48
	{ 6 months and over .. .. .	23
Total .. .. .		97

AVERAGE LENGTH OF STAY OF ALL PATIENTS REMAINING OVER 28 DAYS ..	22.07 weeks.
DITTO FOR PREVIOUS YEAR .. .. .	22.8 weeks.

## RESULTS OF TREATMENT :—

## CONDITION ON DISCHARGE.

<i>Classification on Admission.</i>				<i>No Material</i>			<i>Total.</i>
				<i>Quiescent.</i>	<i>Improved.</i>	<i>Improvement.</i>	
T.B.— .. .. .				1	14	2	17
T.B.+ Group 1 .. .. .				—	1	—	1
„ „ 2 .. .. .				—	44	5	51
„ „ 3 .. .. .				—	12	2	28
Totals .. .. .				1	71	9	97

## SPECIAL FORMS OF TREATMENT :—

### *Artificial Pneumothorax and Results of Treatment :—*

No. of primary inductions .. .. .	13
No. of successful inductions .. .. .	12
No. of cases undergoing treatment .. .. .	17
No. of refills given .. .. .	353
No. of Artificial Pneumothorax cases discharged during 1939 ..	8

	<i>Before.</i>	<i>After.</i>
Sputum+ ..	8	2
Sputum— ..	—	5
No Sputum ..	—	1

### *Gold Treatment Results :—*

	<i>Before.</i>	<i>After.</i>
Sputum+ ..	4	1
Sputum— ..	—	3

### *Operative Treatment :—*

Division of Adhesions .. .. .	1
-------------------------------	---



## APPENDIX A—continued.

### X-RAY EXAMINATIONS :—

Number of Skiagrams	..	..	..	..	..	..	..	133
---------------------	----	----	----	----	----	----	----	-----

### PATHOLOGICAL WORK :—

Sputum Examinations	..	..	..	..	..	..	..	363
---------------------	----	----	----	----	----	----	----	-----

### GENERAL REMARKS :—

“ Owing to the war, the number of patients willing to come for treatment has been somewhat reduced, but recently an improvement has been noticed. The cases have been on the whole fairly advanced, and many are obviously those who could not be properly looked after at home. Those earlier cases for whom much more can be done in the way of treatment have all done well.

“ Patients are conveyed as before to Prestwood for X-ray.

“ The Dentist who visits Prestwood also visits this Sanatorium. Much has been done to increase the patients' comfort, and credit is due to the Staff for organising recreation, games, etc., which does so much to relieve the monotony of Sanatorium life.”

**Himley Sanatorium.**—No change has taken place in policy at Himley Sanatorium, to which children are sent suffering from pulmonary disease, as well as glandular and abdominal tuberculosis.

I give below some details as to the patients admitted and discharged during the year, supplied by Dr. Stevenson, who acts as Medical Superintendent. It will be noted that of the 27 pulmonary cases admitted during the year, 10 were observation and 12 were placed in the class T.B.—. Many of the T.B.— cases were delicate or debilitated children suffering from old non-active disease of the lungs, and it is anticipated that when the County Council have completed the Open-Air School they are providing, the majority of this class of case from the County Elementary Education Area will prove suitable for admission there rather than to Himley.

The following is Dr. Stevenson's report :—

No. of patients admitted	..	..	..	..	..	..	..	43
No. of patients discharged	..	..	..	..	..	..	..	48
No. of patients died	..	..	..	..	..	..	..	4
No. of patients admitted for observation and diagnosed tubercular	..							3
No. of patients admitted for observation and diagnosed non-tubercular								6
No. of patients admitted for observation and remaining undiagnosed								
December 31st	..	..	..	..	..	..	..	1

### CLASSIFICATION OF PATIENTS ON ADMISSION :—

Observation	..	..	..	..	..	..	..	10
T.B.—	..	..	..	..	..	..	..	12
T.B.+ Group 1	..	..	..	..	..	..	..	2
“ “ 2	..	..	..	..	..	..	..	2
“ “ 3	..	..	..	..	..	..	..	1
Non-Pulmonary	..	..	..	..	..	..	..	16
Total	..	..	..	..	..	..	..	43

# APPENDIX A—continued.

## AGE DISTRIBUTION OF PATIENTS ADMITTED :—

	OBS.	T.B.—	T.B.+G.1	T.B.+ G.2	T.B.+ G.3	NON-PUL.	TOTAL
Under 5 years ..	1	3	—	—	1	2	7
5—9 years ..	7	5	2	1	—	10	25
10 yrs. and over	2	4	—	1	—	4	11
Totals ..	10	12	2	2	1	16	43

## DURATION OF STAY OF PATIENTS DISCHARGED AND DIED :—

<i>Pulmonary</i> ..	28 days or less ..	..	..	..	..	—
	1—3 months ..	..	..	..	..	1
	3—6 months ..	..	..	..	..	8
	6 months and over	..	..	..	..	16
<i>Non-Pul.</i> ..	28 days or less ..	..	..	..	..	—
	1—3 months ..	..	..	..	..	1
	3—6 months ..	..	..	..	..	5
	6 months and over	..	..	..	..	8
<i>Pulmonary Deaths</i> ..	28 days or less ..	..	..	..	..	1
	1—3 months ..	..	..	..	..	1
	3—6 months ..	..	..	..	..	2
	6 months and over	..	..	..	..	—
<i>Negative Observation Cases</i>	..	..	..	..	..	6
Total ..	..	..	..	..	..	49

AVERAGE LENGTH OF STAY OF ALL PATIENTS REMAINING OVER 28 DAYS = 328.93 days.

DITTO FOR PREVIOUS YEAR .. .. . = 410.5 „

## RESULTS OF TREATMENT :—

## CONDITION ON DISCHARGE.

<i>Classification on Admission.</i>		<i>Quiescent.</i>	<i>Improved.</i>	<i>No Material Improvement.</i>	<i>Died.</i>	<i>Total.</i>
T.B.— ..	..	14	8	2	—	24
T.B.+ Group 1 ..	..	1	—	—	—	1
„ „ 2 ..	..	—	—	—	—	—
„ „ 3 ..	..	—	—	—	4	4
Non-Pulmonary ..	..	8	6	—	—	14
Totals ..	..	23	14	2	4	43
Non-Tuberculous ..	..					6
						49

## APPENDIX A—continued.

### SPECIAL FORMS OF TREATMENT :—

Artificial Pneumothorax	..	..	..	..	..	..	..	1
X-ray Examinations	..	..	..	..	..	..	..	105

### PATHOLOGICAL WORK :—

Sputum examinations	..	..	..	..	..	..	..	608
Fæces	..	..	..	..	..	..	..	14
Mantoux tests	..	..	..	..	..	..	..	31
Wassermann tests	..	..	..	..	..	..	..	1

### GENERAL REMARKS.

“ The benefits received by the children at Himley have again been striking. Several young children who were admitted in a very weak and poorly nourished condition have made wonderful progress.

“ As previously, the children are conveyed regularly to Prestwood by ambulance for X-ray examination, and great help has been given by the County Laboratory in the pathological work.

“ During the year we have had 10 cases of Chicken Pox, otherwise we have kept free of Infectious Diseases.

“ Several structural improvements have been made to improve the comfort of the children.

“ *School.*—The attendance at school has been well maintained, there being an average attendance of 27.26. As this is in the open air, the children attending school do so under ideal conditions.

“ *Dental Treatment.*—Much good and important work has again been carried out by the Dental Officer, who visits the Institution weekly.

“ The Vicar of Himley visits the Institution regularly and takes a great interest in the children's welfare which is much appreciated.”

Table 9 has been prepared as in former years to show the condition of children 6 months after their discharge from Himley Sanatorium. It indicates what good results have been obtained, and that, in the majority of cases, the return to often adverse home conditions has not had the bad effect that might have been predicted.



APPENDIX A.—continued.

TABLE 9.

Children Treated at Himley Sanatorium, 1st July, 1938, to 30th June, 1939.

Age Group	Average Weight			General condition 6 months after discharge						Obs. cases, 6 m'ths after discharge, non-T.B.
	On admission	On discharge	After 6 months	Disease Quiescent	Improved	<i>In statu quo</i>	Worse	Died	Left district or failed to attend after discharge.	
1—	St. lb. oz.	St. lb. oz.	St. lb. oz.	—	—	—	—	—	—	—
5—	3 5 0	4 5 5	4 4 10	13	4	1	2	1	2	3
10—13	4 3 0	5 5 2	5 8 5	7	4	1	1	4	—	5
48 cases	—	—	—	20	8	2	3	* 5	* 2	8

\*Complete records of weight not available in these cases.

**Treatment and Training.**—As in previous years, the Joint Board have been responsible for the concurrent treatment and training of patients at various centres. Eight cases continued their training courses from the previous year and 5 of them were discharged during 1939. Of the latter, three were placed in employment by the Training College, one started his own boot business; the remaining Trainee was dismissed on disciplinary grounds. The other three patients continued their training. Three new cases were sent for training during the year, but only one has continued. One of the cases proved unsuitable for training and the other left at his own request. Thus at the end of 1939, four patients remained under training.

**Institutional Treatment.**—As mentioned previously, the usual tables giving details of the work of the residential institutions have been suspended owing to war time.

**Surgical Appliances.**—148 special surgical appliances were provided by the Joint Board for 69 patients who were treated at the Royal Cripples' Hospital, Birmingham. These were:—Special Boots, 41; Supports, 24; Calipers, 10; Phelps Soles, 10; Spicas, 11; Crutches, 5; Straps, 9; Pattens, 17; Plasters, 7; Irons, 2; various small appliances, 12. In addition, the Joint Board paid for repairs or alterations to 74 surgical appliances, boots, etc., for 45 patients, and for the cost of 97 X-Ray Films taken in respect of 50 cases.

**Treatment at Residential Institutions of Ex-Service Men.**—As in former years, the policy of offering preferential treatment to Ex-Service men suffering from tuberculosis, recognised by the Ministry of Pensions as being attributable to, or aggravated by, war service, has been continued. During the year, 7 cases were treated at Prestwood Sanatorium, compared with 11 last year.

APPENDIX A.—continued.

**Dental Treatment.**—Mr. Jones, the County Dental Officer, reports as follows :—

TABLE 10.

**Number of Patients inspected and attendances for Treatment during the year 1939.**

Name of Institution	Number of Patients Inspected	No. "Sound" (requiring no Dental Treatment)	No. requiring Treatment and		Number of Attendances for Treatment
			Accepting	Refusing	
Prestwood San'm ..	234	62	171	1	643
Groundslow „ ..	77	25	35	17	120
Himley „ ..	39	9	30	—	144
Edge View „ ..	35	2	33	—	78
Standon Hall Hosp.	40	20	20	—	54
Dispensaries .. ..	32	—	32	—	208
Totals .. ..	457	118	321	18	1,247

TABLE 11.

**Summary of Dental Operations during the year 1939.**

Name of Institution	Extractions		No. of Teeth Filled	Scal-ings	Dres-sings	Local Anaes-thetics	Sun-dries	No. of New Den-tures com-pleted	No. of Repairs to Den-tures
	Tem-porary Teeth	Perma-nent Teeth							
Prestwood Sana'm ..	1	549	8	5	36	550	274	28	23
Groundslow „ ..	—	64	35	8	21	52	15	1	1
Himley „ ..	52	4	75	—	29	4	2	—	—
Edge View „ ..	—	73	—	—	7	67	17	7	—
Standon Hall Hosp'l	55	43	—	—	—	6	7	—	—
Dispensaries .. ..	1	137	17	1	60	142	124	60	5
Totals .. ..	109	870	135	14	153	821	439	96	29

## APPENDIX A—continued.

Number of visits to Institutions :—

Prestwood	..	..	..	..	..	..	59
Groundslow	..	..	..	..	..	..	31
Himley	..	..	..	..	..	..	44
Edge View	..	..	..	..	..	..	13
Standon	..	..	..	..	..	..	8
Total							155

“ The arrangements for the dental treatment of patients for the Joint Board, outlined in previous Annual Reports, continued until September. The state of National Emergency then necessitated the evacuation of certain Sanatoria. As the scheme embraces patients attending the Dispensaries, it was possible to continue the dental treatment of patients thus evacuated at the Dispensaries, until the re-opening of the Sanatoria towards the end of the year enabled a resumption of the normal method.

“ The Dental Officers in charge of the work at Groundslow and Prestwood Sanatoria were called for service with the Army Dental Corps early in the war and some re-arrangement was necessitated to take over their duties.

“ In addition to the operations summarised in the preceding Table, 18 administrations of a general anæsthetic have to be recorded, for dental operations, at Standon. The administrations (of nitrous-oxide gas and oxygen) were given by the Resident Medical Officer.

“ The Dispensary patients attended at the dental clinics at Stafford, Lichfield, Biddulph, Brierley Hill, Leek and Tamworth, and at the Dispensaries at Dudley, Cannock, Wednesbury, Wolverhampton, Newcastle, Biddulph, Cheadle, and at temporary clinics at Pelsall and Brownhills.

“ Among the adults seen were patients already wearing artificial teeth and 29 of these required repairs to render them efficient. In addition, 96 new dentures were supplied during the year, the After-Care Committees making grants in deserving cases to meet the expense of providing same. The average number of visits per patient treated was 3.8, indicating that the conditions treated were less serious than in preceding years when the figure was 4.0. It is not possible, nor advisable, to carry out extensive operations at one visit for patients with tuberculosis.

“ The fillings comprised 1 amalgam, 117 amalgam and cement, and 17 cement. The records kept of the operative measures undertaken reveal that 2,684 operations were completed during the year. Of the 457 patients inspected, 118 were found to require no further dental treatment, 18 desired to be attended by their own dentists, and 321 were treated under the Board's Scheme.”



## APPENDIX A—continued.

### General Remarks.

The outbreak of war disturbed the work of the Joint Board considerably, and, owing to the suspension of a number of statistical tables, prevents the Report being completed as in former years. In September the Prestwood and Groundsloew Sanatoria were asked to send home all those patients who were not gravely ill, to make room for air raid casualties. When it was realised that the war was not taking the expected course the sanatoria were released from the Emergency Hospital Scheme. Thus, the figures given for admissions and discharges, etc., in these sanatoria are not strictly comparable with those for former years.

In spite of the troubled conditions the work of the Board has been carried on with little or no reduction. There were fewer cases attending at the Dispensaries (3,132 against 3,425), which is due to a reduction in the number of contacts attending. Reference has been made previously to the difficulty in securing their attendance and possibly the black-out has been a further factor in reducing the number this year. However, the total number of attendances at the Dispensaries has not decreased, while the number of refills given was the enormous increase of 1,002; the use of the X-ray installations is similarly increased. These facts may be accounted for by the increased work thrown on the Dispensaries during the time the sanatoria were evacuated. The number of inductions and refills performed at the institutions show a reduction this year.

I am now able to give the figures relating to a full year's working of the scheme which provides for Surgical Consultants. These are shown on page 15. It will be noted that in 7 cases collapse of the lung was secured by operation, and in 19 other cases surgical intervention was needed to enable the effective collapse of the lung to be obtained. The facility for this form of treatment places another weapon in the hands of the medical staff in combating tuberculosis.

It is pleasant to record that both the attack rate and the death rate from pulmonary tuberculosis reached the lowest figure ever recorded by the Board, the previous best years were 1938, and 1936 and 1938 respectively. When compared with the death rate of 0.74 in 1922, this year's figure (0.52 per 1,000) is an indisputable index of the progress made by the Tuberculosis Service. An equally satisfactory figure can be quoted in respect of non-pulmonary disease. The death rate was 0.09 per 1,000, which is the lowest figure yet recorded in the area of the Board, and the same applies to the attack rate of 0.10 per 1,000. These figures are given in Tables 3 and 4 on pages 8 and 9 and it will be seen that while the general tendency is towards a reduction, variations are bound to occur from year to year.

During the last war there was a considerable increase in the incidence of tuberculosis and the same tendency is likely in this war. I wish to stress the importance of maintaining at the present high standard the treatment provided by the Board, and, if possible, of increasing this during wartime. The new factors of air raids, with the accompanying black-out, cause an unsettled state of mind of the patients, and this makes it more necessary than ever to provide interests in the sanatorium to occupy their minds and to encourage a sufficiently long stay.

W. D. CARRUTHERS,

Medical Officer.

Stafford,  
July, 1940.



# APPENDIX B.

## STAFFORDSHIRE, WOLVERHAMPTON AND DUDLEY JOINT BOARD FOR TUBERCULOSIS.

### Abstract of Accounts, 1939-40

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## APPENDIX B—continued.

## Revenue Account for the

<b>EXPENDITURE.</b>				£	s.	d.	£	s.	d.	£	s.	d.
<b>Administration.</b>												
Administrative Officers' Salaries .. .. .				650	0	0						
Allowances to Staffordshire County Council for Services of Staff, etc. .. .. .				1,700	0	0						
							2,350	0	0			
Local Government Superannuation Acts, 1937-39 :—												
Joint Board's Contributions .. .. .							12	10	0			
Travelling Expenses .. .. .							59	7	4			
Printing, Advertising, Books, Postages and Office Equipment ..							753	18	1			
Bank Charges .. .. .							23	0	0			
Legal Expenses .. .. .							6	13	10			
Other Expenses of Administration .. .. .							5	4	0			
										3,210	13	3
Local Government Superannuation Acts, 1937 and 1939 :—												
Equal Annual Charge .. .. .										567	0	0
Post Graduate Courses for Medical Staff .. .. .										38	19	9
<b>Dispensaries.</b>												
Salaries of Medical Staff .. .. .							3,852	1	0			
Salaries of Nurses, Health Visitors and other Staff .. .. .							2,705	13	7			
Local Government Superannuation Acts, 1937 and 1939 :												
Joint Board's Contributions .. .. .				224	15	1						
Additional Allowances (see page 60) .. .. .				7	3	1						
										231	18	2
National Insurance Acts .. .. .							16	4	4			
Maintenance of X-Ray Apparatus .. .. .							501	17	2			
Rents of Sub-Dispensaries .. .. .							248	10	0			
Rates, Taxes and Insurance .. .. .							195	9	5			
Heating, Lighting and Cleaning .. .. .							570	4	6			
Drugs and Medical Appliances, viz. :—												
Malt and Oil .. .. .				105	13	6						
Other Drugs and Appliances .. .. .				153	0	6						
										258	14	0
Extra Nourishment .. .. .										160	3	11
Travelling Expenses—Staff .. .. .				455	17	7						
Patients .. .. .				47	19	11						
										503	17	6
Renewals, Repairs, Painting, &c. :—												
Structural .. .. .				146	18	6						
Furniture, Fittings, &c. .. .. .				20	10	8						
										167	9	2
Printing, Advertising, Stationery, Books and Postages .. .. .							174	12	10			
Miscellaneous .. .. .							4	19	1			
Capital Expenditure provided from Revenue .. .. .							232	15	10			
Loan Charges—Principal .. .. .				389	7	10						
Interest .. .. .				127	11	8						
										516	19	6
										10,341	10	0
Carried forward .. .. .										£14,158	3	0

APPENDIX B—continued.

Year ended 31st March, 1940.

INCOME.								£	s.	d.	£	s.	d.
<b>Administration.</b>													
Commission on Insurance Premiums	..	..	..	..							21	8	6
<b>General.</b>													
Bank Interest ..	..	..	..	..	..	..	..				309	9	9
<b>Dispensaries.</b>													
Tuberculosis Officers' Fees	..	..	..	..	..	..	..	13	12	6			
Rents	..	..	..	..	..	..	..	27	0	0			
Private Telephone Calls	..	..	..	..	..	..	..		12	3			
											41	4	9

Carried forward .. .. .

£372 3 0

APPENDIX B—continued.

**Revenue Account for the**

EXPENDITURE.										£	s.	d.	£	s.	d.
Brought forward .. .. .													14,158	3	0
Shelters.															
Repairs, Removal, &c. .. .. .													46	9	2
Maintained Sanatoria (as per details on page 45).															
Prestwood .. .. .										28,188	7	5			
Edge View .. .. .										4,274	16	4			
Groundslow .. .. .										10,440	8	4			
The Limes .. .. .										6,844	15	0			
													49,748	7	1
Other Sanatoria, &c.															
IN-PATIENT TREATMENT.															
Stone Joint Hospital Board .. .. .													9	1	
Staffordshire County Council (Standon Hall Orthopaedic Hos- pital) .. .. .													11,575	5	11
Staffordshire General Infirmary .. .. .													25	2	6
Adult Male Cases (15 beds).										£	s.	d.			
Birmingham & Midland Skin Hospital .. .. .										30	4	2			
Birmingham Royal Cripples' Hospital .. .. .										820	2	6			
Manchester and Salford Skin Hospital .. .. .										15	15	0			
North Staffordshire Cripples' Aid Society .. .. .										637	10	0			
Royal Sea Bathing Hospital, Margate .. .. .										77	12	0			
													1,581	3	8
Special Cases approved from time to time.															
Birmingham Royal Cripples' Hospital .. .. .										137	5	0			
Brompton Hospital, London .. .. .										26	2	0			
Papworth Village Settlement .. .. .										134	6	6			
Royal National Hospital, Ventnor .. .. .										129	10	0			
do. per E. Griffiths .. .. .										14	15	8			
St. Michael's, Axbridge .. .. .										62	2	9			
Clinique Semiramis, Leysin, Switzerland .. .. .										87	3	9			
													591	5	8
Carried forward .. .. .										£13,773	6	10	£63,952	19	3



APPENDIX B—continued.

Year ended 31st March, 1940—contd.

INCOME.

	£	s.	d.	£	s.	d.
Brought forward .. .. .				372	3	0

Maintained Sanatoria (as per details on page 46).

Prestwood .. .. .	1,864	18	8			
Edge View .. .. .	37	11	11			
Groundslow .. .. .	268	9	1			
The Limes .. .. .	327	5	4			
				2,498	5	0

Carried forward .. .. .	£2,870	8	0
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## APPENDIX B—continued.

## Revenue Account for the

## EXPENDITURE.

	£	s.	d.	£	s.	d.	£	s.	d.
Brought forward .. ..				13,773	6	10	63,952	19	3
<b>Other Sanatoria, &amp;c.—contd.</b>									
IN-PATIENT TREATMENT—contd.									
Emergencies (3 beds).									
Birmingham Royal Cripples' Hospital .. ..	67	5	8						
North Staffordshire Cripples' Aid Society ..	95	12	6						
Robert Jones and Agnes Hunt Orthopaedic Hos- pital, Oswestry .. .. .	67	4	0						
Royal Sea Bathing Hospital, Margate .. ..	58	0	3						
West Bromwich General Hospital .. .. .	5	12	6						
Wolverhampton Royal Hospital .. .. .	7	13	0						
				301	7	11			
Treatment and Training.									
Barrowmore Hall .. .. .	8	11	6						
Birmingham Royal Cripples' Hospital .. ..	84	0	0						
Derwen Cripples' Training College .. .. .	157	1	0						
Papworth Village Settlement .. .. .	387	19	9						
				637	12	3			
							14,712	7	0
<b>Out-Patient Treatment.</b>									
Birmingham Royal Cripples' Hospital .. ..	231	6	5						
Birmingham and Midland Skin Hospital .. ..	2	5	4						
Dudley Guest Hospital .. .. .		3	0						
Dudley Corporation .. .. .	50	2	6						
Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry	3	0	0						
Leek and District Cripples' Aid Society .. ..	62	18	0						
Lichfield Orthopaedic Clinic .. .. .	108	13	6						
London Hospital .. .. .	1	15	0						
Manchester and Salford Skin Hospital .. ..		3	6						
North Staffordshire Cripples' Aid Society .. ..	146	9	6						
North Staffs. Royal Infirmary .. .. .	3	12	6						
Stafford Orthopaedic Clinic .. .. .	92	8	6						
Staffordshire General Infirmary .. .. .	17	5	0						
Tamworth Orthopaedic Clinic .. .. .	5	17	8						
West Bromwich General Hospital .. .. .		2	6						
Wolverhampton Royal Hospital .. .. .	6	16	6						
							732	19	5
<b>Travelling Expenses.</b>									
PATIENTS AT INSTITUTIONS NOT MAINTAINED BY JOINT BOARD							87	1	6
Carried forward .. .. .							£79,485	7	2

APPENDIX B—continued.

**Year ended 31st March, 1940—contd.**

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<b>INCOME.</b>					£	s.	d.
Brought forward	..	..	..	..	2,870	8	0

Carried forward	..	..	..	..	<u>£2,870</u>	<u>8</u>	<u>0</u>
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## APPENDIX B—continued.

**Revenue Account for the****EXPENDITURE.**

	£	s.	d.	£	s.	d.	£	s.	d.
Brought forward .. ..							79,485	7	2
<b>Surgical Consultants.</b>									
Fees .. ..				183	15	0			
Hospital Expenses .. ..				248	12	6			
							432	7	6
<b>After Care Committees.</b>									
				Grants to Cases.		Administrative Expenses.			
Biddulph .. ..				10	6	1	—		
Cannock .. ..				34	15	8	—		
Cheadle .. ..				2	12	6	—		
Dudley .. ..				167	17	5	2	6	3
Leek .. ..				4	7	6		1	6
Lichfield .. ..				46	10	3		10	7
Newcastle .. ..				37	6	3		4	0
Stafford .. ..				33	14	10		5	7
Stone .. ..				5	8	6	—		
Uttoxeter .. ..				31	17	5	—		
Wednesbury .. ..				60	8	11	1	6	8
Wolverhampton .. ..				127	14	6	—		
				£562	19	10	£4	14	7
							567	14	5
<b>Total Expenditure .. ..</b>							80,485	9	1
<b>Balance, 31st March, 1940 .. ..</b>							11,182	18	7
							£91,668	7	8

APPENDIX B—continued.

Year ended 31st March, 1940—contd.

**INCOME.**

	£	s.	d.	£	s.	d.
Brought forward .. .. .				2,870	8	0

<b>Total Income other than Precepts</b> .. .. .				2,870	8	0
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**Constituent Authorities—Payments under Precept.**

Staffordshire County Council .. .. .	66,250	4	0			
Wolverhampton County Borough Council .. .. .	13,113	17	8			
Dudley County Borough Council .. .. .	5,635	18	4			
				85,000	0	0

<b>Total Income</b> .. .. .				87,870	8	0
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<b>Balance, 31st March, 1939</b> .. .. .				3,797	19	8
--	--	--	--	-------	----	---

£91,668 7 8

# MAINTAINED SANATORIA

## Expenditure for the Year ended 31st March, 1940.

APPENDIX B—continued.

Head of Expenditure.	PRESTWOOD		EDGE VIEW		GROUNDSLOW		THE LIMES	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Salaries, Wages, Uniforms and Dresses of Staff :—								
Medical Staff .. .. .	1,733	2 5	333	0 7	718	1 4	231	17 6
Matron and Nursing Staff .. .. .	2,650	7 6	650	4 10	1,415	12 3	724	15 7
Other Staff (excluding Laundry Staff, Gardeners, and Staff engaged on Transport, Maintenance, and Repair Work) .. .. .	2,449	16 6	416	7 3	900	16 4	557	16 9
Teaching Staff .. .. .	—	—	—	—	—	—	260	0 0
National Insurance Acts .. .. .	223	17 4	41	2 5	85	4 9	52	0 5
Local Government Superannuation Acts, 1937 and 1939	332	14 1	73	5 3	118	11 6	76	8 1
Joint Board's Contributions .. .. .	—	—	—	—	—	—	13	0 0
Teacher's Superannuation Acts, 1918 to 1937—Joint Board's Contributions .. .. .	6,566	16 2	1,128	17 3	1,932	2 0	1,418	14 7
Provisions for Patients and Staff .. .. .	490	14 3	65	2 1	183	12 2	73	8 9
Drugs and Medical and Surgical Appliances .. .. .	2,945	15 10	462	7 3	1,109	10 9	894	3 3
Fuel, Light, Water and Laundry (including wages of Laundry Staff) .. .. .	874	1 8	164	14 8	137	1 7	277	4 11
Domestic Renewals and Repairs .. .. .	1,999	18 1	211	18 4	255	19 1	364	2 4
Structural Alterations, Renewals, Repairs, Painting and Maintenance of Estate .. .. .	54	12 4	—	—	—	—	—	—
Goods sold from Stock .. .. .	150	12 0	54	10 7	156	14 11	46	6 8
Travelling Expenses :—	114	3 2	35	18 8	67	2 0	8	14 0
Staff .. .. .	201	14 9	2	0 2	—	—	1	12 3
Patients .. .. .	374	3 10	59	11 5	157	10 0	176	1 9
Transport Expenses .. .. .	4	5 0	4	5 0	11	15 0	—	—
Garden and Live Stock (including Wages) .. .. .	244	8 7	42	16 4	82	15 3	19	14 6
Funeral Expenses .. .. .	135	15 5	24	15 10	28	16 4	33	10 1
Printing, Stationery, Advertising, Books and Postages	800	12 0	205	4 5	359	0 11	272	4 8
Miscellaneous .. .. .	214	7 8	18	1 8	62	16 2	23	15 5
Rates, Taxes and Insurance .. .. .	144	4 6	—	—	160	9 5	—	—
Air Raid Precautions .. .. .	13	14 0	—	—	257	11 3	—	—
Emergency Hospital Scheme .. .. .	706	7 9	—	—	129	10 6	—	—
Living-out Allowances (including Travelling) .. .. .	23,426	4 10	3,994	4 0	8,330	13 6	5,525	11 6
Capital Expenditure provided from Revenue (see page 48)	3,409	17 11	169	14 0	1,545	10 8	1,016	10 8
Loan Charges :—	1,352	4 8	110	18 4	564	4 2	302	12 10
Principal .. .. .	£28,188	7 5	£4,274	16 4	£10,440	8 4	£6,844	15 0
Interest .. .. .								



Income for the Year ended 31st March, 1940.

APPENDIX B—continued.

Head of Income.	PRESTWOOD		EDGE VIEW		GROUNDSLOW		THE LIMES	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Maintenance of Patients:—								
Ministry of Pensions—Tuberculous Ex-Service Men .. .. .	249	16 0	—	—	—	—	—	—
Sundry Service Authorities—Service Men .. .. .	88	16 0	—	—	—	—	—	—
Ministry of Health—Emergency Hospital Scheme Contributions by Relatives and others .. .. .	—	—	3 7 6	—	70 0 0	—	—	—
Emergency Hospital Scheme—Ministry of Health—Grant .. .. .	28	0 0	—	10 0	20 0 8	—	—	—
Donations .. .. .	—	—	—	—	—	—	—	—
	£366	12 0	£3 17 6	—	£90 0 8	—	—	—
Rents .. .. .	395	2 11	19 10 0	—	13 2 0	—	7 10 0	—
Garden Account—Sales .. .. .	31	17 9	—	—	2 4 1	—	—	—
Supplies to Institutions .. .. .	263	5 3	6 7 1	—	143 8 2	—	225 2 10	—
Estate—Supplies to Institutions .. .. .	5	14 2	—	—	—	—	16 0	—
Articles Laundered for other Institutions .. .. .	406	9 6	—	—	—	—	—	—
Goods sold from Stock .. .. .	54	12 4	—	—	—	—	—	—
Board, Lodging, Luncheons, &c., of certain Non-Residential Staff .. .. .	208	0 0	—	—	11 17 6	—	93 13 6	—
Services of Medical Staff .. .. .	2	17 0	—	—	—	—	—	—
Committee Luncheons .. .. .	15	0	—	—	—	—	—	—
Breakages .. .. .	6	2 8	10 0	—	—	—	—	—
Sale of Thermometers .. .. .	12	15 0	2 0 0	—	—	—	—	—
Private Telephone Calls .. .. .	11	4 8	6 3	—	6 5 9	—	3 0	—
Insurance Claims .. .. .	47	15 9	—	—	5 4	—	—	—
Funeral Expenses recovered .. .. .	—	—	4 5 0	—	7 1	—	—	—
Sundry Sales of Scrap Iron, Timber, &c. .. .. .	16	10 1	16 1	—	18 6	—	—	—
Patients' contributions towards repairs to bowling green .. .. .	3	0 0	—	—	—	—	—	—
Electric Current Supplied to Staff .. .. .	3	5 7	—	—	—	—	—	—
Canteen Fund contribution towards cost of Monarchy Plate .. .. .	25	0 0	—	—	—	—	—	—
Water charges recovered .. .. .	3	4 0	—	—	—	—	—	—
Miscellaneous .. .. .	15	0	—	—	—	—	—	—
	£1,498	6 8	£33 14 5	—	£178 8 5	—	£327 5 4	—
Set-offs for Average Weekly Cost per Patient .. .. .								
Totals .. .. .	£1,864	18 8	£37 11 11	—	£268 9 1	—	£327 5 4	—
Beds provided at end of year .. .. .	200		38		58		60	
Average number of beds available during year .. .. .	161.3		38		55		60	
Average daily number of Patients in Hospital .. .. .	128.4		32		50.3		50	
Percentage of available beds occupied .. .. .	79.6		84.2		91.5		83.3	

## APPENDIX B—continued.

## Capital Account for the

EXPENDITURE.												
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Sanatoria.												
PRESTWOOD.												
The Homestead—Adaptations ..	653	4	3									
Redemption of Land Tax ..	4	14	10									
							657	19	1			
Plate and Dish Washer .. ..							178	1	6			
Potato Boiler .. ..							64	12	0			
Morris Van .. ..							60	0	0			
Ambulance Trolley .. ..							15	18	6			
3 Wheel Chairs .. ..							11	6	0			
2 Dressing Trolleys.. ..							15	0	0			
Recreation Block—												
Quantity Surveyor's fees .. ..							22	12	3			
							1,025	9	4			
Less Electric Polishers—												
Over estimated 1938-39 .. ..							3	12	7			
										1,021	16	9
GROUNDLOW.												
Extensions (118 bed accommodation).												
Erection .. ..	12,981	3	5									
Heating, etc. .. ..	5,450	0	0									
							18,431	3	5			
Fish Fryer .. ..							86	15	6			
Meat and Bread Cutting Machine .. ..							42	15	0			
										18,560	13	11
												19,582 10 8
Balance overdrawn, 31st March, 1939.												
Prestwood Sanatorium.												
The Homestead—Purchase and Adaptations ..	1,807	7	0									
Recreation Block:												
Furniture .. ..	52	4	0									
										1,859	11	0
Groundslow Sanatorium.												
Extensions (118 bed accommodation) .. ..										257	17	1
Wednesbury New Sub-Dispensary.												
Site .. ..										232	15	10
												2,350 3 11
Balance in hand, 31st March, 1940.												
Groundslow Sanatorium.												
Extensions.												
Buildings—in hand .. ..										28,864	10	5
Less overdrawn—												
Heating, &c. .. ..	5,458	10	6									
Furniture .. ..	223	0	5									
										5,681	10	11
												23,182 19 6
												£45,115 14 1

APPENDIX B—continued.

Year ended 31st March, 1940.

**INCOME.**

	£	s.	d.	£	s.	d.	£	s.	d.
<b>Capital Expenditure provided out of Revenue :—</b>									
Prestwood Sanatorium (see page 45) .. ..				706	7	9			
Groundslow Sanatorium (see page 45) .. ..	..	..		129	10	6			
Wednesbury New Sub-Dispensary (see page 37) .. ..	..	..		232	15	10			
							1,068	14	1

**Loans Raised.**

Prestwood Sanatorium.

The Homestead—Purchase and Adaptations .. 2,175 0 0

Groundslow Sanatorium.

Extensions—Buildings, &c. .. ..	41,342	0	0			
Site Works .. ..	530	0	0			
				41,872	0	0
						44,047 0 0

£45,115 14 1

## APPENDIX B—continued.

## Balance Sheet

## LIABILITIES AND CREDITS.

	£	s.	d.	£	s.	d.	£	s.	d.
<b>Capital Account.</b>									
Capital Grants, viz. :—									
Cheadle Dispensary .. .. .	240	0	0						
Dudley Dispensary .. .. .	228	0	0						
Newcastle Dispensary .. .. .	223	0	0						
Stafford Dispensary .. .. .	212	0	0						
Wolverhampton Dispensary .. .. .	210	0	0						
Equipment of Dispensaries .. .. .	89	0	0						
Shelters .. .. .	163	0	0						
Groundslow Sanatorium .. .. .	2,946	0	0						
Edge View Sanatorium .. .. .	4,840	0	0						
Prestwood Sanatorium .. .. .	27,000	0	0						
				36,151	0	0			
Grant from British Red Cross Society towards cost of Prestwood Sanatorium .. .. .				7,500	0	0			
Gift of Hut to The Limes Sanatorium, by the Mayor of Wolverhampton (Councillor J. Thompson) .. .. .				100	0	0			
Gift by Trustees, Groundslow Chapel Fund, towards cost of erection of Chapel at Groundslow Sanatorium .. .. .				610	3	3			
Ditto Organ, Choir Stalls, &c. ditto .. .. .				342	16	0			
Gift of Sundial to Groundslow Sanatorium by J. E. Lawley, Esq. .. .. .				10	0	0			
F. L. Gregson, Esq., Donation towards provision of Private Wards .. .. .				5	5	0			
Capital Expenditure provided out of Revenue (including Loan Debt extinguished) .. .. .				120,392	2	2			
Loans Outstanding .. .. .				106,443	8	2			
							271,554	14	7

**Revenue Account.**

Sundry Creditors .. .. .	9,792	14	5			
Revenue Account .. .. .	11,182	18	7			
Income Tax Account .. .. .	257	0	2			
Board of Education .. .. .	26	0	0			
				21,258	13	2

£292,813 7 9



APPENDIX B—continued.

at 31st March, 1940.

PROPERTY, ASSETS AND OUTLAY.

	£	s.	d.	£	s.	d.	£	s.	d.
<b>Capital Account.</b>									
Capital Outlay :—									
Cannock Dispensary .. .. .	992	9	4						
Cheadle Dispensary .. .. .	406	10	6						
Dudley Dispensary .. .. .	2,183	0	6						
Newcastle Dispensary .. .. .	3,123	18	7						
Shelfield Dispensary .. .. .	661	2	11						
Stafford Dispensary ( <i>less</i> land sold) .. .. .	1,634	8	4						
Wednesbury Dispensary .. .. .	819	15	9						
Wolverhampton Dispensary .. .. .	1,933	1	9						
Equipment of Sub-Dispensaries .. .. .	272	14	0						
Shelters and Equipment—at cost .. .. .	1,002	9	2						
						13,029	10	10	
Groundsow Sanatorium .. .. .	49,237	17	7						
The Limes Sanatorium .. .. .	28,378	10	8						
Edge View Sanatorium .. .. .	12,058	5	3						
Prestwood Sanatorium ( <i>less</i> sales) 160,647	10	9							
Less—Amount recovered from Insurance Company .. 14,980	0	0		145,667	10	9	235,342	4	3
						248,371	15	1	
Treasurer—cash in hand .. .. .						23,182	19	6	
							271,554	14	7

**Revenue Account.**

Sundry Debtors .. .. .						395	0	6	
Stocks and Stores on hand (verified by Treasurer)						1,378	9	2	
Hon. Treasurers of After-Care Committees :—									
In hand .. .. .	187	7	1						
Less—overdrawn .. .. .	2	12	3						
						184	14	10	
Accounting Officers :—									
In hand .. .. .						103	4	7	
Treasurer—cash in hand .. .. .						19,197	4	1	
							21,258	13	2
							£292,813	7	9

C. A. WOOD,  
Treasurer.

# Loan Statement, Year ended 31st March, 1940.

## APPENDIX B—continued.

Purposes for which Loans were raised	Amount Borrowed	Date of Borrowing	Period	Rate of Interest	Mode of Repayment	Amounts charged to Revenue during year		Special Re-payments of Principal, Unspent Balances etc.		Amount of Loans outstanding at end of Year
						Principal	Interest	£	s. d.	
Dispensary, Wol'hampton	£ 857 0 0	30.9.15	30	4½	Half-yearly Instalments	28 12 0	7 14 11	—	—	156 6 0
Sanatorium, Groundslow	1,520 0 0	30.10.15	30	4½	do.	50 16 0	13 13 4	—	—	275 8 0
Dispensary, Stafford	681 0 0	10.2.16	30	4½	do.	22 16 0	6 1 8	—	—	122 8 0
Sanatorium, Groundslow	292 0 0	do.	30	4½	do.	9 16 0	2 11 8	—	—	51 18 0
do. Prestwood	36,401 0 0	29.11.20	30	6½	do.	1,213 7 4	625 15 5	—	—	13,347 0 8
do. do.	10,000 0 0	19.4.23	20	4½	do.	500 0 0	54 6 3	—	—	1,750 0 0
do. do.	6,000 0 0	1.7.24	30	3½	do.	200 0 0	80 5 11	—	—	2,900 0 0
do. The Limes	6,000 0 0	25.2.25	40	3½	do.	150 0 0	97 15 1	—	—	3,750 0 0
do. Prestwood	1,508 0 0	do.	15	3½	do.	100 10 8	1 14 8	—	—	—
do. do.	651 0 0	23.11.25	25	3½	do.	26 0 10	10 5 1	—	—	273 7 11
Dispensary, Cheadle	167 0 0	do.	30	3½	do.	5 11 4	3 3 0	—	—	85 16 2
Sanatorium, Prestwood	4,000 0 0	do.	20	3½	do.	200 0 0	43 15 0	—	—	1,100 0 0
Dispensary, Newcastle	1,780 0 0	1.7.26	30	3½	do.	59 6 8	26 18 9	—	—	978 2 8
Sanatorium, Groundslow	179 0 0	30.6.27	30	3½	do.	5 19 4	3 10 1	—	—	95 14 0
do. Prestwood	2,576 0 0	30.11.27	30	3½	do.	85 17 4	54 17 0	—	—	1,502 13 4
do. The Limes	7,625 0 0	29.2.28	30	3½	do.	254 3 4	162 7 0	—	—	4,447 18 4
do. do.	2,713 0 0	do.	15	3½	do.	180 17 4	20 11 4	—	—	452 3 4
do. do.	445 0 0	do.	30	3½	do.	14 16 8	9 9 5	—	—	259 7 8
do. Groundslow	8,415 0 0	31.1.30	30	3½	do.	280 10 0	194 13 1	—	—	5,351 2 1
Dispensary, Cannock	200 0 0	31.3.31	30	3½	do.	6 13 4	5 1 6	—	—	140 0 0
do. do.	802 0 0	do.	30	3½	do.	26 14 8	18 17 11	—	—	519 16 7
Sanatorium, Edge View	3,550 0 0	14.1.31	30	3½	do.	118 6 8	88 0 2	—	—	2,425 16 8
do. Groundslow	876 0 0	31.3.31	10	3½	do.	87 12 0	5 1 8	—	—	79 9 8
do. Edge View	514 0 0	31.3.32	15	3½	do.	34 5 4	9 5 10	—	—	239 17 4
do. do.	513 0 0	do.	30	3½	do.	17 2 0	13 12 4	—	—	376 4 0
do. Groundslow	1,000 0 0	do.	30	3½	do.	33 6 8	26 10 10	—	—	733 6 8
Dispensaries, X-Ray Buildings	918 0 0	31.3.35	15	3	Yearly Instalments	61 4 0	20 3 11	—	—	612 0 0
Dispensaries, Equipment	1,367 0 0	do.	10	3	do.	136 14 0	22 13 5	—	—	619 0 8
Sanatorium, Groundslow	440 0 0	do.	10	3	do.	44 0 0	7 18 2	—	—	219 12 5
do. do.	118 0 0	do.	30	3	do.	3 18 8	3 1 4	—	—	98 6 8
do. Prestwood	415 0 0	do.	10	3	do.	41 10 0	7 9 5	—	—	207 10 0
* Dispensary, Wednesbury	143 0 0	do.	13	3	do.	11 0 0	2 19 5	—	—	88 0 0
* do. Dudley	585 1 6	do.	19	3	do.	30 15 10	13 17 2	—	—	431 2 4
* Sanatorium, The Limes	2,083 6 8	do.	5	3	do.	416 13 4	12 10 0	—	—	—
Carried forward	105,334 8 2					4,458 17 4	1,676 11 9	—	—	43,689 9 2

# Loan Statement, Year ended 31st March, 1940—contd.

Purposes for which Loans were raised	Amount Borrowed	Date of Borrowing	Period	Rate of Interest	Mode of Repayment	Amounts charged to Revenue during year		Special Re-payments of Principal, Unspent Balances etc.	Amount of Loans outstanding at end of Year
						Principal	Interest		
	£ s. d.		Years	%		£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brought forward ...	105,334 0 0	31.3.35	19	3	Yearly Instalments	4,458 17 4	1,676 11 9	—	43,689 9 2
*Sanatorium, Grounds	1,064 0 0	do.	18	3	do.	26 8 0	25 4 0	—	784 0 0
do., Prestwood ...	475 4 0	do.	19	3	do.	40 13 4	11 1 9	—	343 4 0
do. ...	772 13 4	do.	9	3	do.	92 18 0	18 6 0	—	569 6 8
do. ...	836 2 0	do.	19	3	do.	68 8 5	13 18 8	—	371 12 0
do. ...	1,300 0 0	do.	9	3	do.	23 6 7	30 15 9	—	957 17 11
do. ...	209 19 0	do.	19	3	do.	68 8 5	3 10 0	—	93 6 1
do. ...	1,300 0 0	do.	25	3½	Half-yearly Instalments	233 16 0	30 15 9	—	957 17 11
Grounds	5,845 0 0	25.11.35	10	3½	do.	23 8 0	155 15 4	—	4,617 8 5
do. ...	234 0 0	31.12.35	10	3	do.	10 14 0	4 10 2	—	121 4 8
do. ...	107 0 0	31.3.36	30	3½	do.	167 4 0	2 3 5	—	64 4 0
Prestwood ...	5,016 0 0	25.11.35	15	3½	do.	130 5 4	132 17 0	—	3,962 5 7
do. ...	1,954 0 0	do.	15	3½	do.	37 4 0	28 13 0	—	783 15 10
do. ...	558 0 0	10.8.35	15	3½	do.	26 0 0	12 19 9	—	371 13 8
do. ...	520 0 0	30.9.35	20	3½	do.	124 0 0	11 19 0	—	348 2 1
do. ...	1,240 0 0	30.5.36	10	3	do.	8 1 0	23 18 11	—	705 2 9
do. ...	161 0 0	23.11.36	20	3	do.	16 13 4	4 3 4	—	132 16 6
do. ...	1,000 0 0	31.12.36	30	3	do.	59 5 4	28 12 6	—	941 13 4
Grounds	1,778 0 0	30.10.37	30	3½	do.	10 0 0	58 12 0	—	1,629 16 8
Prestwood ...	150 0 0	31.5.38	15	3½	do.	48 9 4	4 16 3	—	130 0 0
do. ...	1,454 0 0	30.6.38	30	3½	do.	20 0 0	45 4 8	—	1,303 19 7
do. ...	200 0 0	31.3.39	10	3½	do.	92 0 0	6 12 0	—	173 12 0
do. ...	2,300 0 0	do.	25	3½	do.	689 0 8	35 12 1	—	2,208 0 0
do. ...	41,342 0 0	8.3.40	30	3½	do.	—	90 18 7	—	40,652 19 4
Grounds	† 530 0 0	30.3.40	20	3½	do.	—	—	—	530 0 0
do. ...	£ 175,681 6 6					£6,531 1 1	£2,457 11 8	—	£106,443 8 2

† Advanced "on account" on Sanction for £4,056.

\* Re-borrowed Loans.

APPENDIX B—continued.

Classification of Loans, Year ended 31st March, 1940.

	Amount Borrowed	Amounts charged to Revenue during year			Special Re-payments of Principal, Un-spent Balances etc.	Amount of Loans outstanding at end of year	
		Principal		Interest			
		£	s.	d.			£
1. ACCORDING TO THE PURPOSE FOR WHICH THE LOANS WERE BORROWED.							
Wolverhampton Dispensary	857 0 0	28 12 0	7 14 11	—	156 6 0		
Stafford do.	681 0 0	22 16 0	6 1 8	—	122 8 0		
Dudley do.	585 1 6	30 15 10	13 17 2	—	431 2 4		
Wednesbury do.	143 0 0	11 0 0	2 19 5	—	88 0 0		
Cheadle do.	167 0 0	5 11 4	3 3 0	—	85 16 2		
Newcastle do.	1,780 0 0	59 6 8	26 18 9	—	978 2 8		
Cannock do.	1,002 0 0	33 8 0	23 19 5	—	659 16 7		
Dispensaries—							
X-Ray Buildings	918 0 0	61 4 0	20 3 11	—	612 0 0		
do. Equipment	1,367 0 0	136 14 0	22 13 5	—	619 0 8		
Prestwood Sanatorium	7,500 1 6	389 7 10	127 11 8	—	3,752 12 5		
Groundslow do.	81,775 18 4	3,409 17 11	1,352 4 8	—	36,123 1 2		
The Limes do.	62,962 0 0	1,545 10 8	564 4 2	—	54,616 7 3		
Edge View do.	18,866 6 8	1,016 10 8	302 12 10	—	8,909 9 4		
	4,577 0 0	169 14 0	110 18 4	—	3,041 18 0		
	£175,681 6 6	£6,531 1 1	£2,457 11 8	—	£106,443 8 2		
2. ACCORDING TO THE SOURCE FROM WHICH THE LOANS WERE BORROWED.							
Public Works Loan Commissioners	3,350 0 0	112 0 0	30 1 7	—	606 0 0		
Staffordshire County Council	66,848 6 6	3,290 7 5	1,317 16 0	—	37,677 2 11		
Staffordshire, Wolverhampton and Dudley Joint for Board Tuberculosis Superannuation Fund	10,232 0 0	475 15 0	239 4 1	—	8,660 5 3		
Other Sources	95,251 0 0	2,652 18 8	870 10 0	—	59,500 0 0		
	£175,681 6 6	£6,531 1 1	£2,457 11 8	—	£106,443 8 2		



# MAINTAINED SANATORIA.

## Comparative Statement of average weekly costs per bed occupied for the Year ended 31st March, 1940

Head of Expenditure	PRESTWOOD		EDGE VIEW		GROUNDSLOW		THE LIMES	
	1939/40	1938/39	1939/40	1938/39	1939/40	1938/39	1939/40	1938/39
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Salaries, Wages, Uniforms and Dresses of Staff :—								
Medical Staff .. .. .	5 1.9	3 5.1	3 11.7	3 6.7	5 6.0	3 6.8	1 9.1	1 6.6
Matron and Nursing Staff ..	7 10.7	4 4.2	7 9.2	6 3.9	10 10.1	5 9.6	5 6.1	4 3.7
Other Staff (excluding Laundry Staff, Gardeners, and Staff engaged on maintenance and repair work) .. .. .	7 3.5	4 6.6	4 11.7	4 3.1	6 10.8	3 11.9	4 2.9	3 6.6
Teaching Staff .. .. .	—	—	—	—	—	—	1 11.7	1 8.8
National Insurance Acts ..	8.0	5.2	5.9	4.9	7.8	5.1	4.7	4.1
Local Government Superannuation Act, 1937 and 1939 :—	11.9	4.8	10.5	5.5	10.9	3.5	7.0	2.8
Joint Board's Contributions ..	—	—	—	—	—	—	—	—
Teachers' Superannuation Acts, 1918 to 1937—Joint Board's Contributions .. .. .	19 6.7	17 1.4	13 5.8	12 0.6	14 9.5	12 9.6	10 9.3	9 7.1
Provisions for Patients and Staff	1 5.5	1 2.4	9.3	8.8	1 4.9	1 4.3	6.7	7.0
Drugs and Medical and Surgical Appliances .. .. .	8 9.3	6 2.9	5 6.3	5 3.8	8 6.0	5 7.3	6 9.5	6 0.7
Fuel, Light, Water, and Laundry (including Wages of Laundry Staff) .. .. .	2 7.2	1 7.7	1 11.6	2 2.5	1 0.6	1 9.6	2 1.3	1 10.0
Domestic Renewals and Repairs	5 11.5	4 11.1	2 6.4	9 9.6	1 11.5	3 1.0	2 9.2	3 7.8
Structural Alterations, Renewals, Repairs, Painting and Maintenance of Estate .. .. .	2.0	2.5	—	—	—	—	—	—
Travelling Expenses :—								
Staff .. .. .	5.4	4.7	7.8	8.3	1 2.4	11.1	4.2	4.3
Patients .. .. .	4.1	2.1	5.2	3.9	6.2	3.7	0.8	1.3
Transport Expenses .. .. .	7.2	4.1	0.3	0.1	—	—	0.1	—
Garden and Live Stock (including wages) .. .. .	1 1.4	9.2	8.5	11.4	1 2.5	9.4	1 4.1	1 6.4
Funeral Expenses .. .. .	0.1	0.3	0.6	—	1.1	—	—	—
Carried forward .. .. .	3 3 0.4	2 6 2.3	2 4 2.8	2 7 1.1	2 15 6.3	2 0 8.9	1 19 3.9	1 15 6.2

APPENDIX B—continued.

# MAINTAINED SANATORIA.—contd

## Comparative Statement of average weekly costs per bed occupied for the Year ended 31st March, 1940— CONTINUED.

Head of Expenditure	PRESTWOOD			EDGE VIEW			GROUNDSLOW			THE LIMES		
	1939/40	1938/39		1939/40	1938/39		1939/40	1938/39		1939/40	1938/39	
Brought forward ..	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Printing, Stationery, Advertising, Books and Postages ..	3 3 0.4	2 6 2.3	2 4 2.8	2 7 1.1	2 7 1.1	2 7 1.1	2 15 6.3	2 0 8.9	1 19 3.9	1 15 6.2		
Miscellaneous ..	8.7	5.0	6.1	4.4	4.4	4.4	7.6	6.0	1.8	1.6		
Rates, Taxes and Insurance ..	4.9	3.0	3.6	4.2	4.2	4.2	2.6	5.2	3.0	3.2		
Air Raid Precautions ..	2 4.6	1 4.8	2 5.4	1 10.9	1 10.9	1 10.9	2 9.0	1 7.6	2 0.8	1 8.5		
Emergency Hospital Scheme ..	7.7	—	2.6	—	—	—	5.8	—	2.2	—		
Living-out Allowances (including Travelling) ..	5.2	—	—	—	—	—	1 2.7	—	—	—		
	0.5	—	—	—	—	—	1 11.7	—	—	—		
Gross Weekly Cost (excluding Loan Charges and Capital Expenditure provided from Revenue) ..	3 7 8.0	2 8 3.1	2 7 8.5	2 9 8.6	2 9 8.6	2 9 8.6	3 2 9.7	2 3 3.7	2 1 11.7	1 17 7.5		
Less—Income :—												
Rents ..	1 2.1	6.1	2.8	2.5	2.5	2.5	1.2	0.8	0.7	0.6		
Garden Sales, &c. ..	10.5	7.5	0.9	0.1	0.1	0.1	1 1.4	10.1	1 8.5	1 3.6		
Articles Laundered ..	1 2.5	10.1	—	—	—	—	—	—	—	—		
Other Income ..	1 2.4	9.1	1.1	1.2	1.2	1.2	1.8	1.2	8.6	7.7		
	4 5.5	2 8.8	4.8	3.8	3.8	3.8	1 4.4	1 0.1	2 5.8	1 11.9		
Cost per Patient per week (excluding Loan Charges and Capital Expenditure provided from Revenue) ..	3 3 2.5	2 5 6.3	2 7 3.7	2 9 4.8	2 9 4.8	2 9 4.8	3 1 5.3	2 2 3.6	1 19 5.9	1 15 7.6		
Add—												
Loan Charges :—												
Principal ..	10 1.9	6 6.1	2 0.3	1 9.9	1 9.9	1 9.9	11 10.0	4 9.6	7 8.7	6 11.4		
Interest ..	4 0.3	3 6.5	1 3.9	1 3.1	1 3.1	1 3.1	4 3.8	2 5.8	2 3.6	2 5.0		
Capital Expenditure provided from Revenue ..	2 1.2	1 1.4	—	3 6.6	3 6.6	3 6.6	11.9	7.5	—	—		
Total Cost per Patient per week ..	£3 19 5.9	£2 16 8.3	£2 10 7.9	£2 16 0.4	£2 16 0.4	£2 16 0.4	£3 18 7.0	£2 10 2.5	£2 9 6.2	£2 5 0.0		

\* Temporarily closed under the Emergency Hospital Scheme from 1/9/39 to 14/11/39.

# Analysis of Net Charge on Constituent Authorities, Year 1939-40.

APPENDIX B.—continued.

Head of Expenditure	Gross Expenditure	Income other than Precepts	Net Expenditure Chargeable on Constituent Authorities	Charge on each Constituent Authority on Population Basis		
				Stafford-shire	Wolver-hampton	Dudley
Administration .. .. .	£ 3,211	£ 331	£ 2,880	£ 2,245	£ 444	£ 191
Local Government Superannuation Acts, 1937 and 1939 :—						
Equal Annual Charge .. .. .	567	—	567	442	87	38
Post Graduate Courses for Medical Staff ..	39	—	39	30	6	3
Dispensaries .. .. .	10,341	41	10,300	8,028	1,589	683
Shelters .. .. .	47	—	47	37	7	3
Prestwood .. .. .	28,188	1,865	26,323	20,516	4,061	1,746
Edge View .. .. .	4,275	38	4,237	3,302	654	281
Groundslow .. .. .	10,440	268	10,172	7,928	1,569	675
The Limes .. .. .	6,845	327	6,518	5,080	1,006	432
Other Sanatoria, &c. :—						
Standon Hall .. .. .	11,575	—	11,575	9,022	1,786	767
Other approved Cases—Treatment ..	2,499	—	2,499	1,948	386	165
Treatment and Training, &c. .. ..	638	—	638	497	99	42
Out-Patient Treatment .. .. .	733	—	733	571	113	49
Travelling Expenses .. .. .	87	—	87	68	13	6
Surgical Consultants—Fees and Hospital Expenses .. .. .	432	—	432	337	67	28
After-Care Committees .. .. .	568	—	568	443	88	37
	£80,485	£2,870	£77,615	£60,494	£11,975	£5,146
	Percentage		..	78.0	15.4	6.6

**Statement showing Net Expenditure and Precepts Levied each year since the Inception of the Board on the 17th March, 1913.**

Year	Net Expenditure	Precepts Levied
	£	£
1913/14	432	1,000
1914/15	2,708	2,650
1915/16	3,251	6,100
1916/17	2,457	4,000
1917/18	3,306	4,000
1918/19	8,374	4,000
1919/20	8,961	10,000
1920/21	10,846	16,000
1921/22	13,135	13,500
1922/23	11,361	13,000
1923/24	15,588	13,000
1924/25	19,631	17,000
1925/26	21,046	25,000
1926/27	22,902	25,000
1927/28	24,172	21,500
1928/29	25,335	25,830
1929/30	27,388	28,000
1930/31	61,546	64,000
1931/32	60,556	62,000
1932/33	63,324	63,000
1933/34	65,157	65,500
1934/35	65,999	65,500
1935/36	71,413	70,000
1936/37	76,593	73,500
1937/38	80,297	77,000
1938/39	82,504	82,000
1939/40	77,615	85,000

**Note.**—Up to 31st March, 1930, Government Grant in aid of expenditure was received by the Board but on and from 1st April, 1930, such Grant was merged into the General Exchequer Contribution which is paid direct to each of the Constituent Councils.



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Local Government  
Superannuation Fund Accounts.

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APPENDIX B—continued.

**LOCAL GOVERNMENT SUPERANNUATION**

**Revenue Account**

<b>EXPENDITURE.</b>										£	s.	d.
Superannuation Allowances	..	..	..	..	..	..	..	..	..	150	4	2
Contributions refunded (including interest)	..	..	..	..	..	..	..	..	..	112	11	6
Income Tax on Contributions refunded	..	..	..	..	..	..	..	..	..	8	4	10
Transfer Values	..	..	..	..	..	..	..	..	..	1,161	18	7
										1,432	19	1
Balance, being excess of Income over Expenditure for the year	..	..	..	..	..	..	..	..	..	1,486	2	5
										£2,919	1	6

**Surplus Income Account for the**

<b>EXPENDITURE.</b>										£	s.	d.
Balance, 31st March, 1940..	..	..	..	..	..	..	..	..	..	8,088	16	7
										£8,088	16	7

**Investment of Surplus Income Account**

<b>EXPENDITURE.</b>										£	s.	d.	£	s.	d.
Staffordshire, Wolverhampton and Dudley Joint Board for Tuberculosis :—															
Prestwood Sanatorium, 3½% mortgage	..	..	..	..	..	..	..	..	..	2,175	0	0			
Groundslow Sanatorium, 3½% do.	..	..	..	..	..	..	..	..	..	530	0	0			
													2,705	0	0
Balance, 31st March, 1939..	..	..	..	..	..	..	..	..	..				6,431	0	3
													£9,136	0	3

**Balance Sheet**

<b>LIABILITIES.</b>										£	s.	d.	£	s.	d.
Sundry Creditors	..	..	..	..	..	..	..	..	..				920	2	2
Reserve for Contingent Liability for Return of Contributions	..	..	..	..	..	..	..	..	..				6	2	11
Surplus Income Account :—															
Invested	..	..	..	..	..	..	..	..	..	8,660	5	3			
Less uninvested—overdrawn	..	..	..	..	..	..	..	..	..	571	8	8	8,088	16	7
													£9,015	1	8

APPENDIX B—continued.

**ACTS, 1937 and 1939—SUPERANNUATION FUND.**

**Year ended 31st March, 1940.**

INCOME.										£	s.	d.
Contributions of Officers and Staff	..	..	..	..	..	..	..	..	..	838	4	0
Equivalent Contributions by Joint Board	..	..	..	..	..	..	..	..	..	838	4	0
Equal Annual Charge	..	..	..	..	..	..	..	..	..	567	0	0
Transfer Values and Interest thereon	..	..	..	..	..	..	..	..	..	428	5	4
Interest on Investments	..	..	..	..	..	..	..	..	..	239	4	1
Bank Interest	..	..	..	..	..	..	..	..	..	1	1	0
Staffordshire, Wolverhampton and Dudley Joint Board for Tuberculosis, General Account, additional allowances (see page 37)	..	..	..	..	..	..	..	..	..	7	3	1
										£2,919	1	6

**Year ended 31st March, 1940.**

INCOME.										£	s.	d.
Transfer from Revenue Account	..	..	..	..	..	..	..	..	..	1,486	2	5
Balance, 31st March, 1939..	..	..	..	..	..	..	..	..	..	6,602	14	2
										£8,088	16	7

**for the Year ended 31st March, 1940.**

INCOME.										£	s.	d.
Principal Repaid	..	..	..	..	..	..	..	..	..	475	15	0
Balance, 31st March, 1940..	..	..	..	..	..	..	..	..	..	8,660	5	3
										£9,136	0	3

**at 31st March, 1940.**

ASSETS.										£	s.	d.	£	s.	d.
Investments :—															
Staffordshire, Wolverhampton and Dudley Joint Board for Tuberculosis :—															
Sundry Mortgages at 3%										1,843	16	7			
do. 3½%										841	0	5			
do. 3¾%										1,303	19	7			
do. 3½%										4,671	8	8			
										8,660	5	3			
Sundry Debtors										343	1	0			
Cash										11	15	5			
										£9,015	1	8			

C. A. WOOD,  
Treasurer.

APPENDIX B—continued.

**PRESTWOOD SANATORIUM**  
**Trading and Profit and Loss Accounts**

	No. of Pigs.	Pigs. £ s. d.	Carpentry. £ s. d.	Total. £ s. d.
<b>To Stock on hand at 1st April, 1939 :—</b>				
Livestock .. .. .	10	25 0 0	—	25 0 0
Timber .. .. .		—	82 19 2	82 19 2
Fittings, Nails, Screws, &c. .. .		—	14 10 7	14 10 7
Tools .. .. .		—	22 19 8	22 19 8
<b>„ Purchases :—</b>				
Provender .. .. .		1 15 6	—	1 15 6
Timber .. .. .		—	34 4 1	34 4 1
Fittings, Nails, Screws, &c. .. .		—	39 18 0	39 18 0
Tools .. .. .		—	1 0 9	1 0 9
<b>„ Wages .. .. .</b>		1 3 0	34 6 3	35 9 3
<b>„ Repairs and Renewals .. .. .</b>		2 1 6	5 0	2 6 6
<b>„ Depreciation .. .. .</b>		1 15 3	—	1 15 3
<b>„ Gross Profit c/d .. .. .</b>		3 7 9	43 8 2	46 15 11
	10	£35 3 0	£273 11 8	£308 14 8
<b>„ Travelling Expenses .. .. .</b>				12 6
<b>„ Postages, Stationery, &amp;c. .. .. .</b>				17 5
<b>„ Net Profit carried to Appropriation Account .. .. .</b>				45 6 0
				£46 15 11

**Appropriation**

	Invested. £ s. d.	Uninvested. £ s. d.
<b>To Expenditure under paragraph 3 (d) of Scheme Rules :—</b>		
Cigarettes .. .. .		4 19 6
<b>„ Balance in hand, 31st March, 1940 .. .. .</b>	315 16 9	245 1 6
	£315 16 9	£250 1 0



APPENDIX B—continued.

**OCCUPATIONAL THERAPY COMMITTEE.**

**for the Year ended 31st March, 1940.**

	No. of Pigs.	Pigs. £ s. d.	Carpentry. £ s. d.	Total. £ s. d.
By Sales .. .. .	10	35 3 0	174 5 5	209 8 5
„ Services of Patient Instructor on A.R.P. Work			7 1 8	7 1 8
„ Stocks on hand at 31st March, 1940 :—				
Timber .. .. .		—	65 3 7	65 3 7
Fittings, Nails, Screws, &c. .. ..		—	4 11 2	4 11 2
Tools .. .. .		—	22 9 10	22 9 10

10	£35 3 0	£273 11 8	£308 14 8
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„ **Gross Profit b/d :—**

Pigs .. .. .	3 7 9	
Carpentry .. .. .	43 8 2	
		46 15 11
		£46 15 11

**Account.**

	Invested. £ s. d.	Uninvested. £ s. d.
By Balance in hand at 1st April, 1939 .. .. .	315 16 9	194 5 0
„ Net Profit for the year .. .. .		45 6 0
„ Investment Income .. .. .		10 10 0
	£315 16 9	£250 1 0

## APPENDIX B—continued.

## PRESTWOOD SANATORIUM

## Balance Sheet

[illegible]

**OCCUPATIONAL THERAPY COMMITTEE—contd.**  
**at 31st March, 1940.**

JOHN STEVENSON, Chairman.  
C. A. WOOD, Hon. Treasurer.









